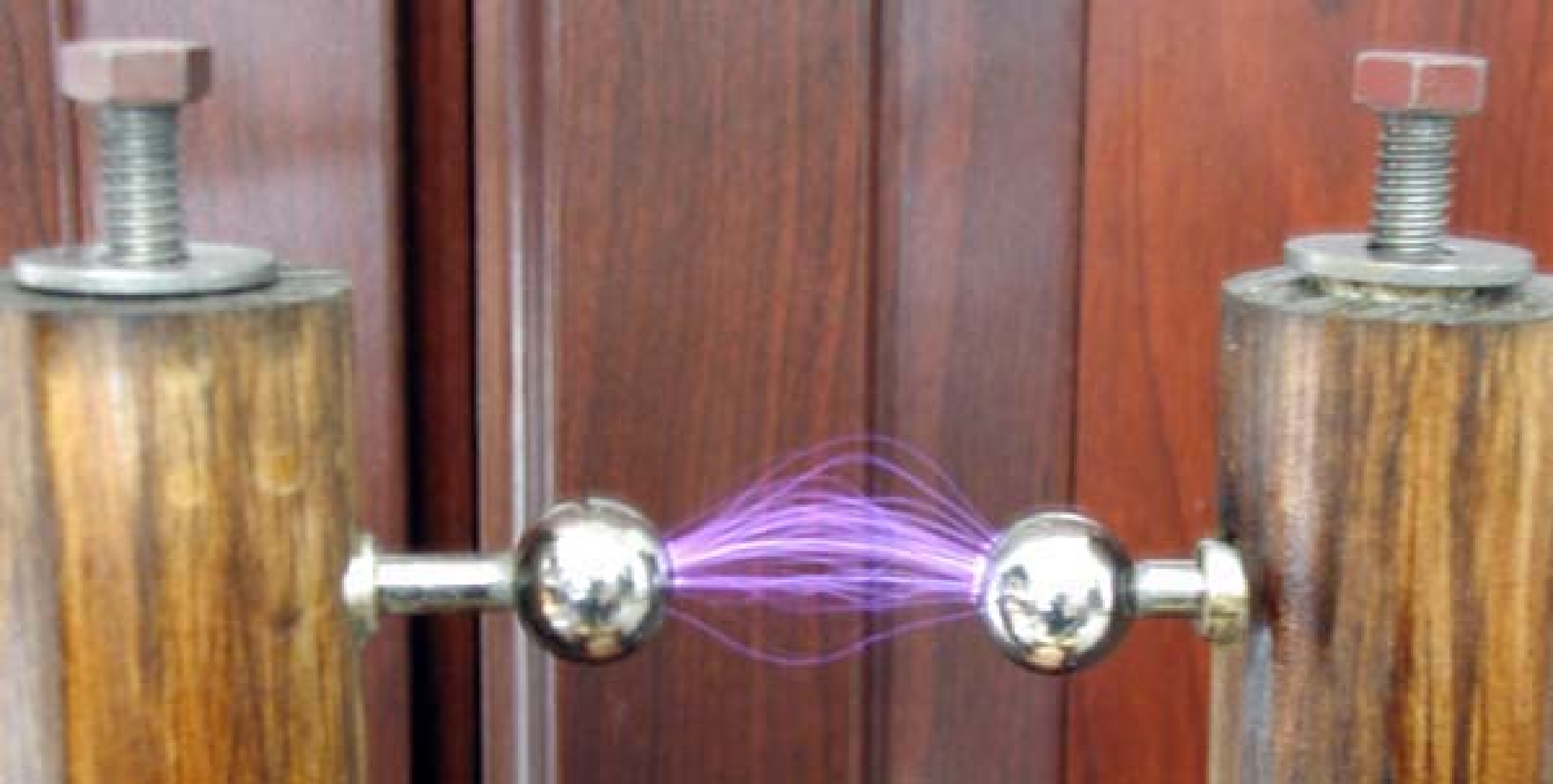

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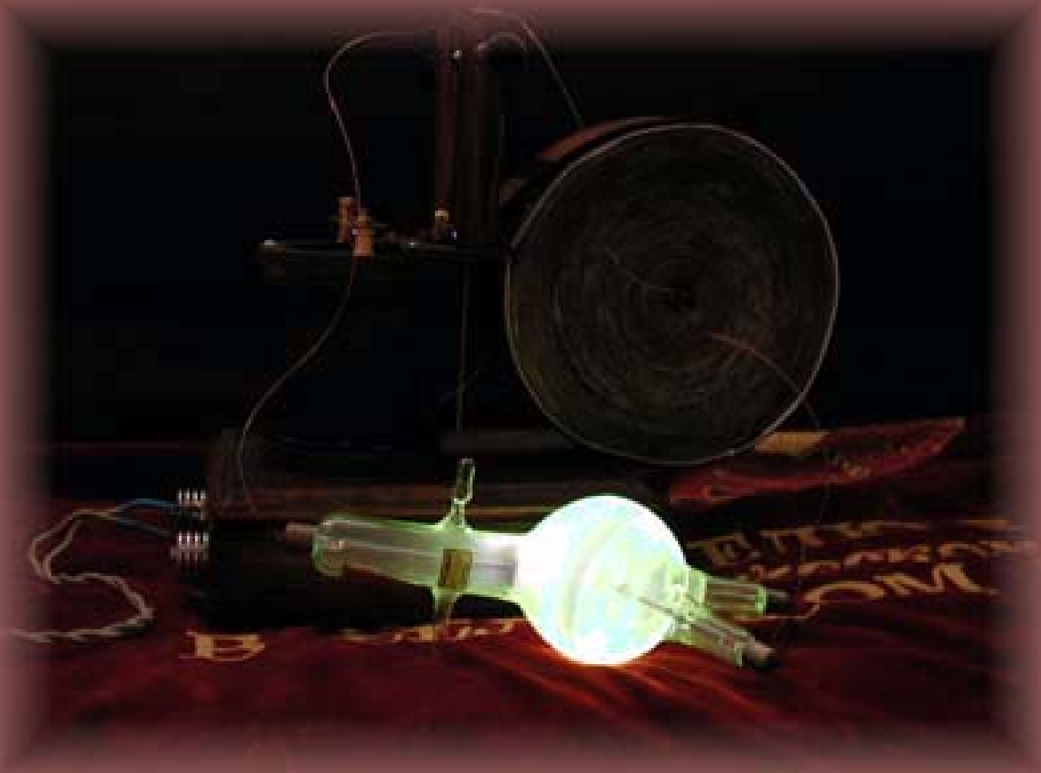

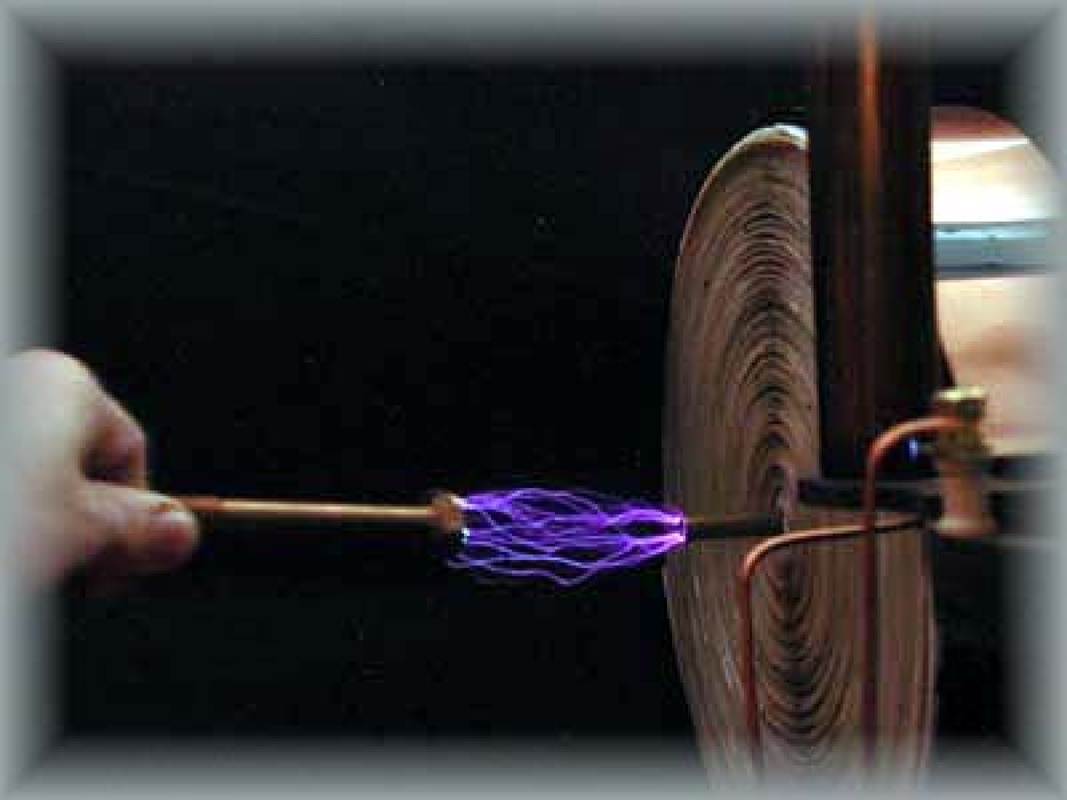

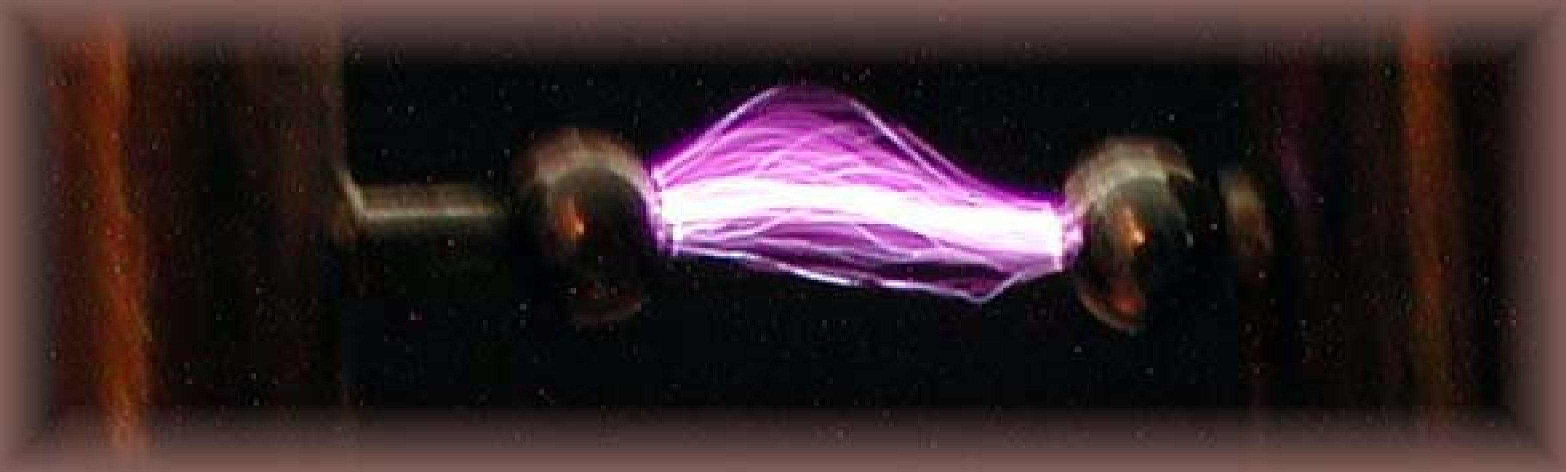

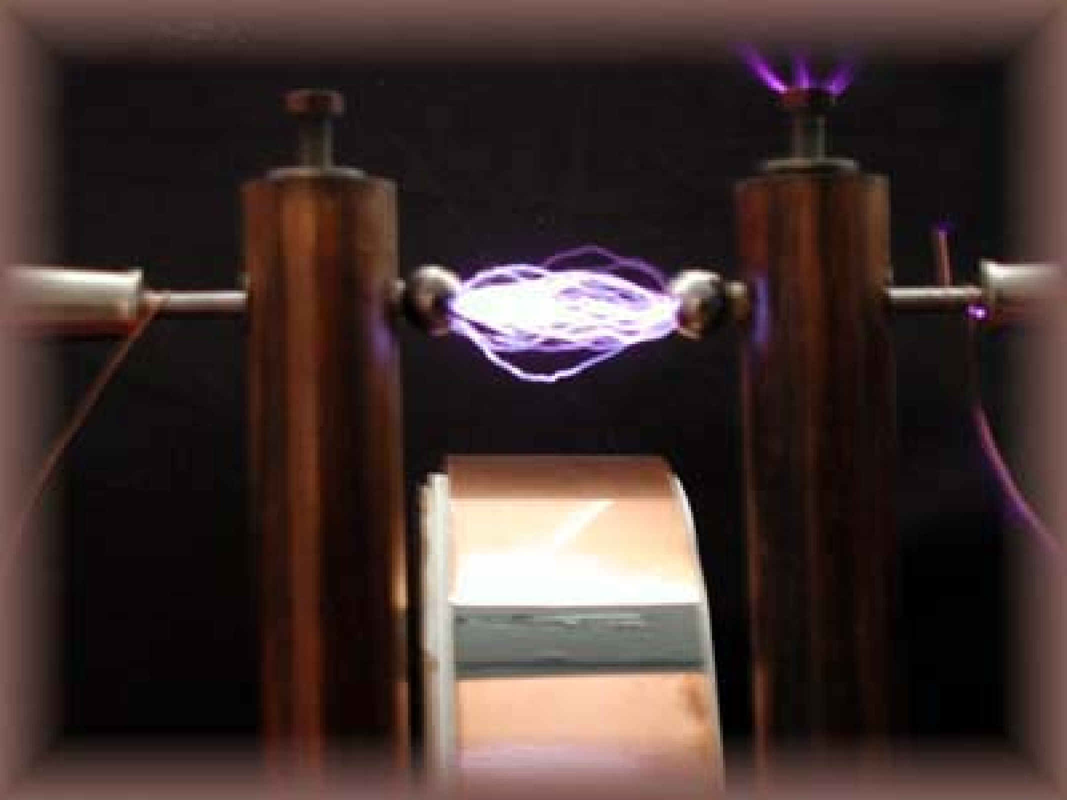

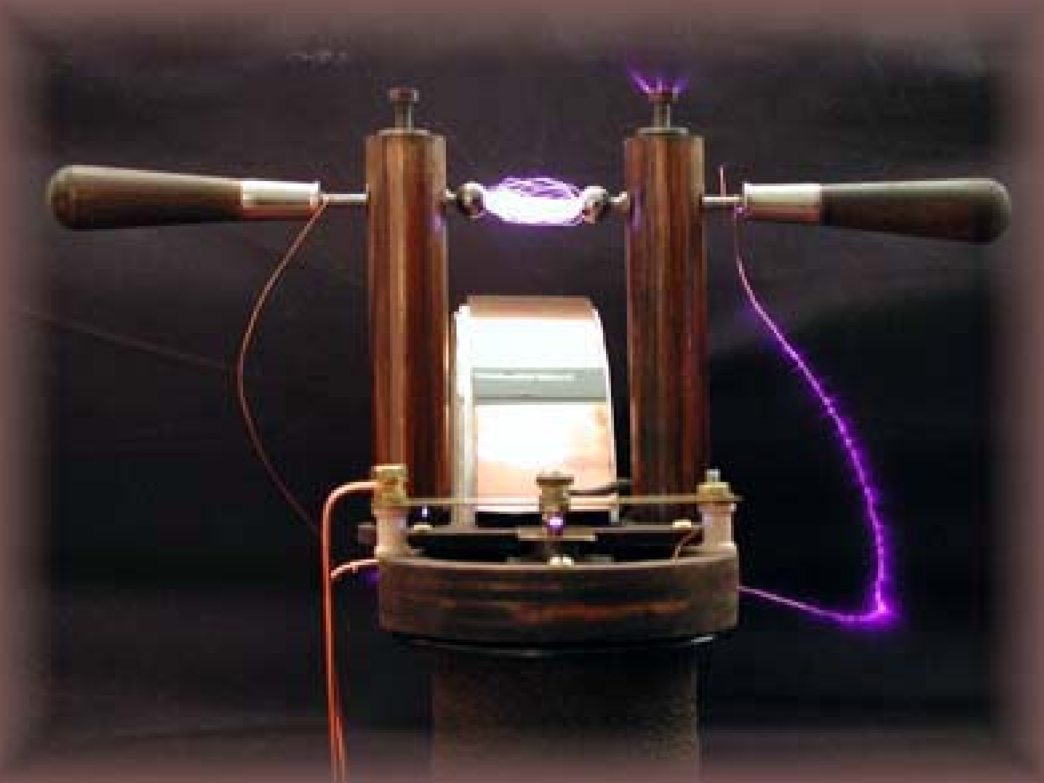

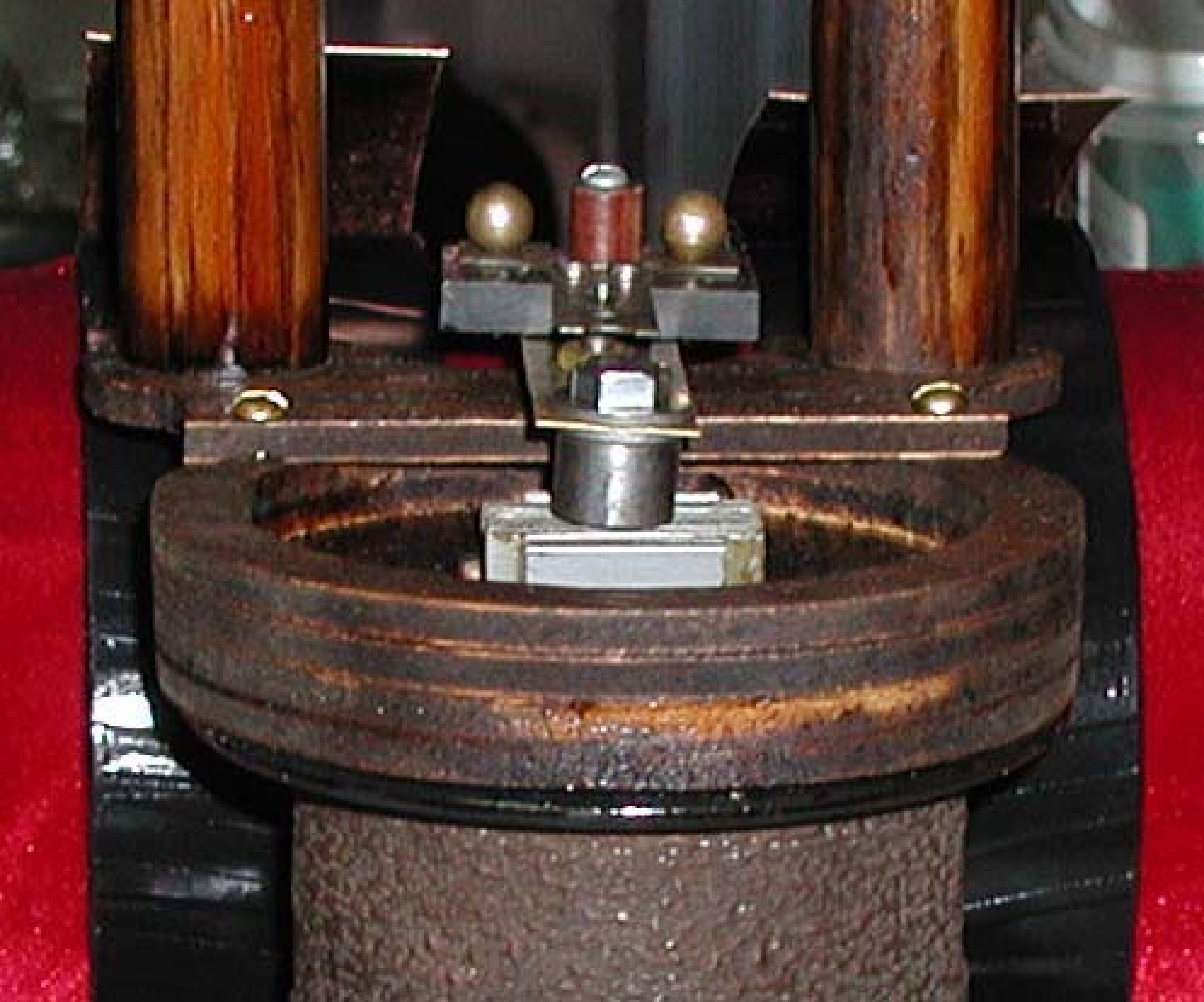

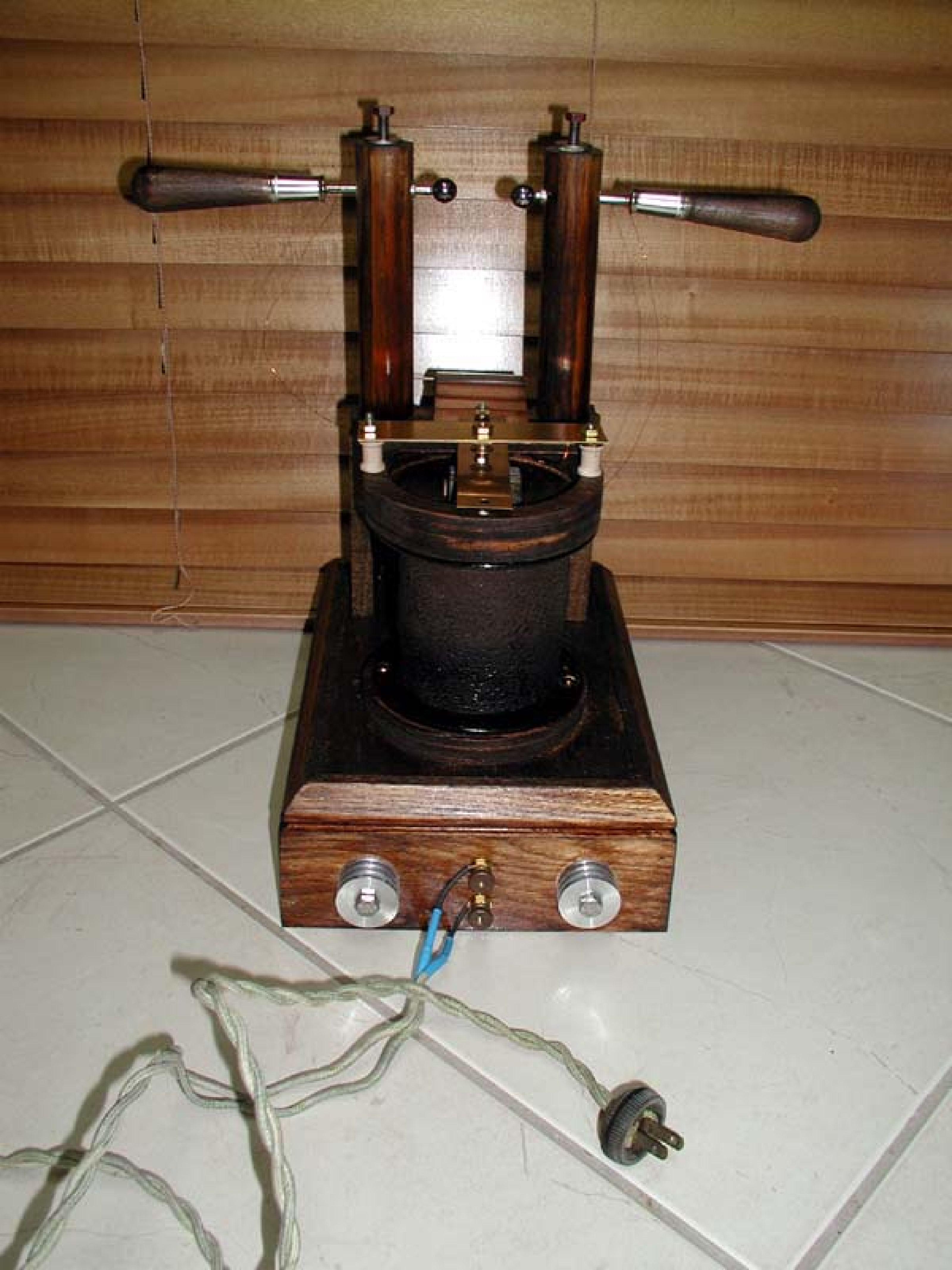

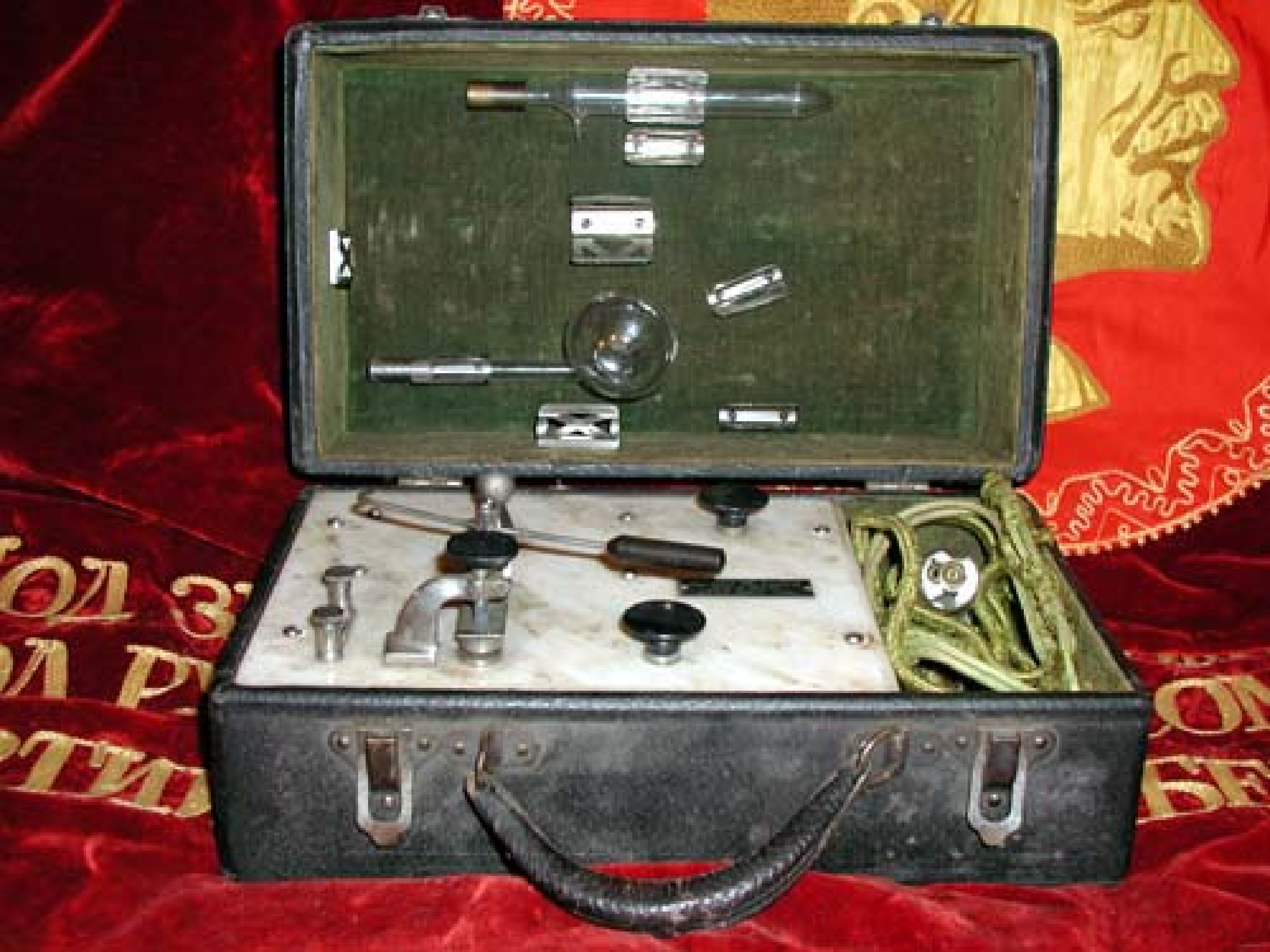

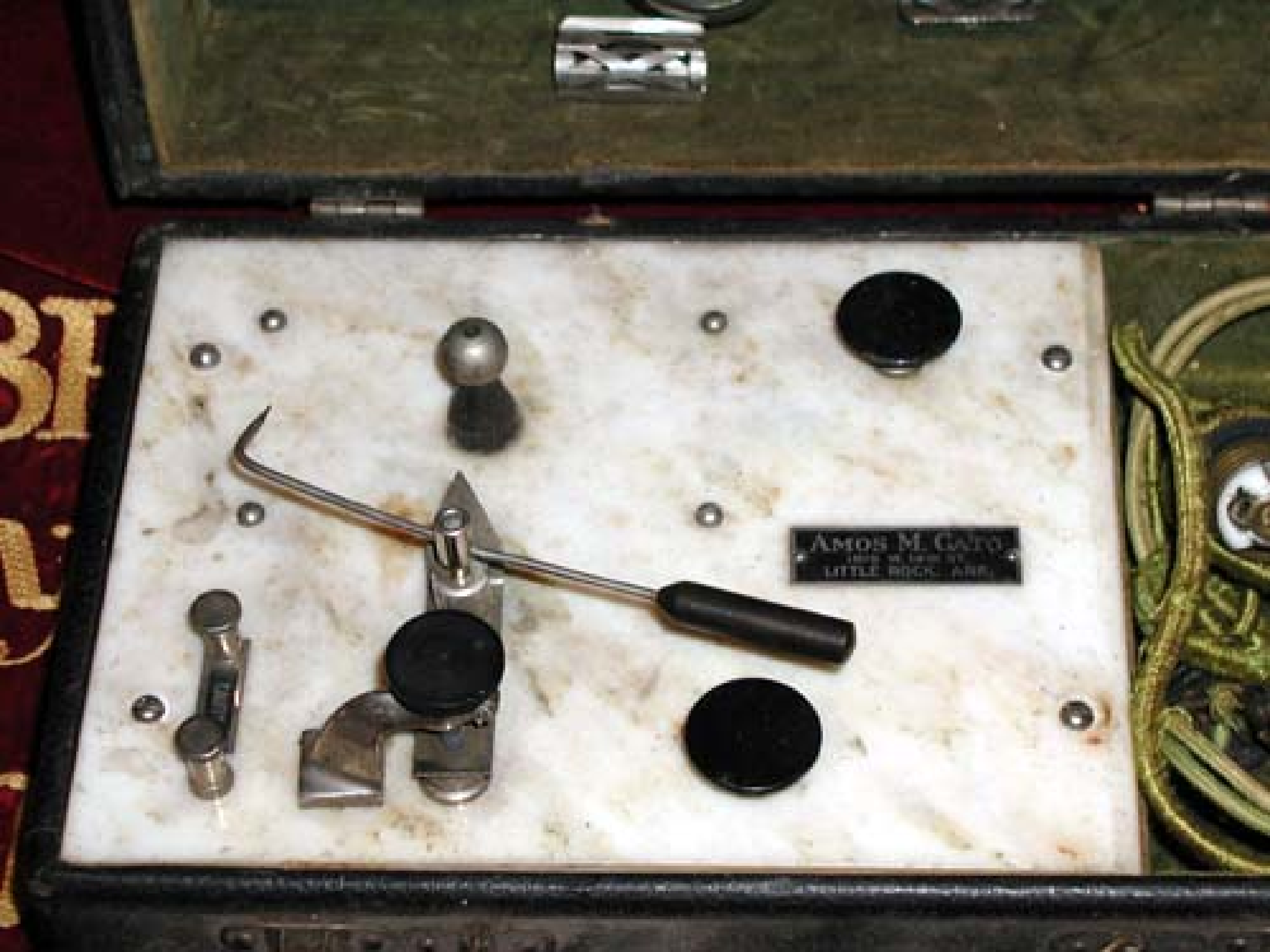
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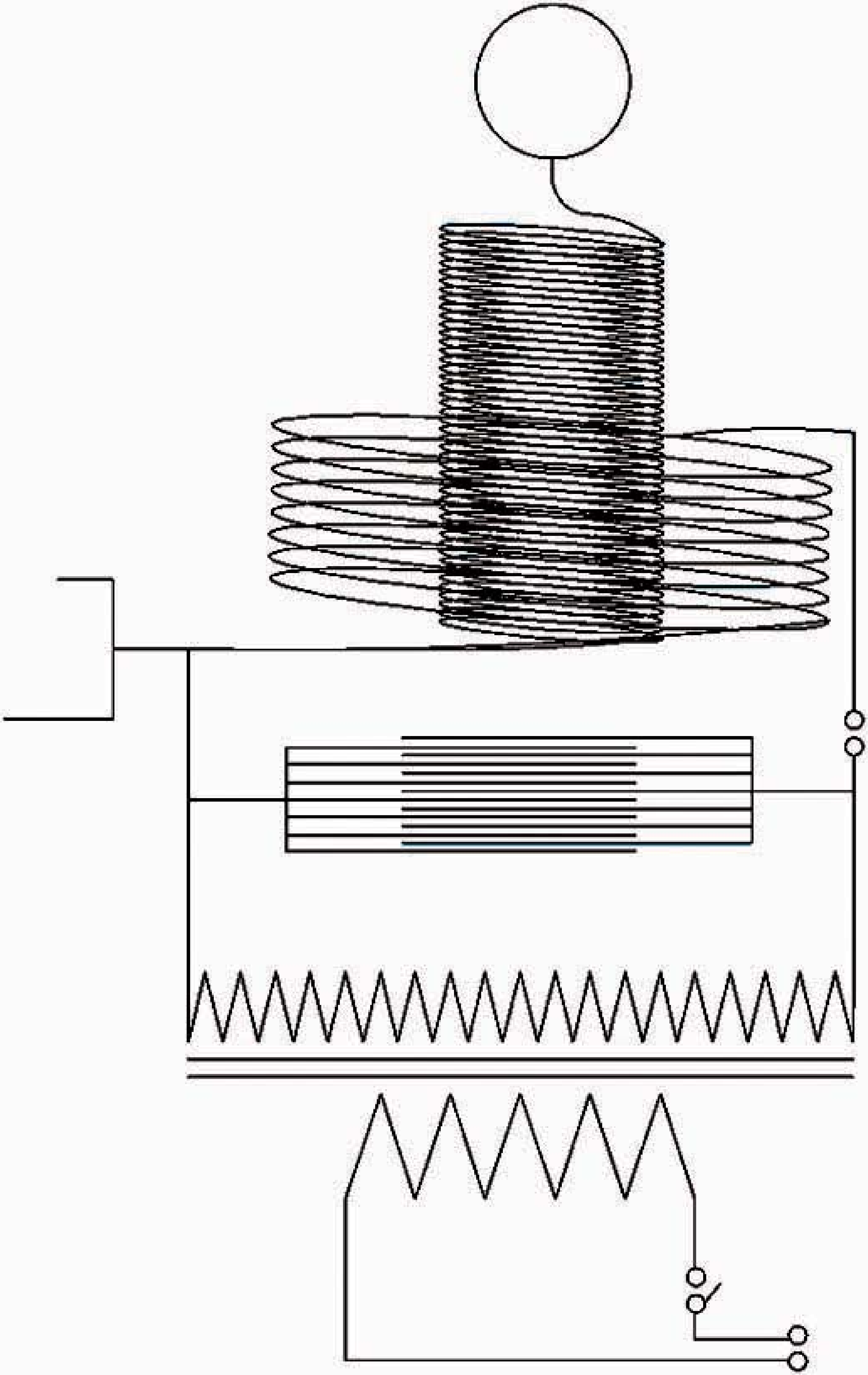
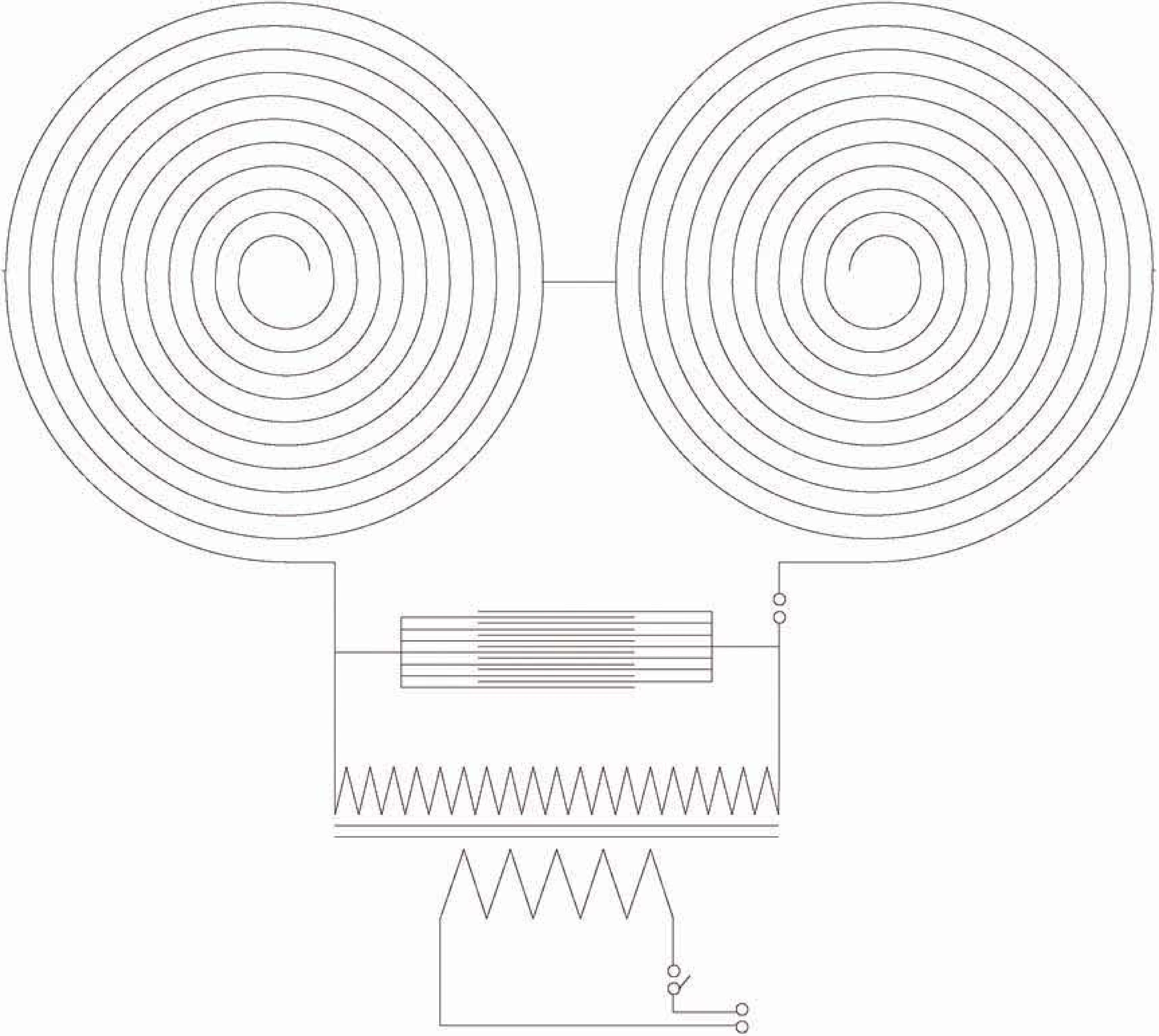
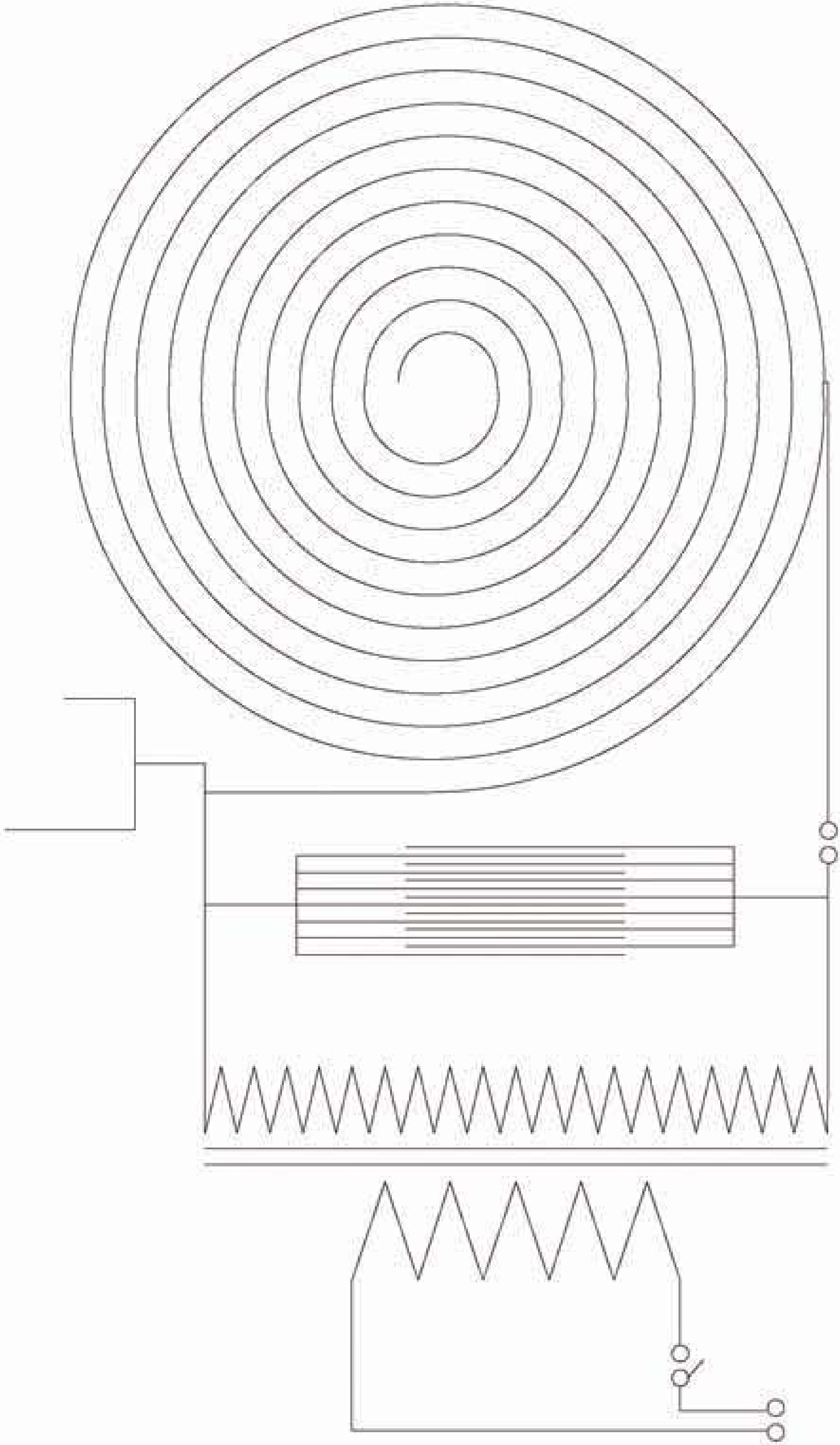
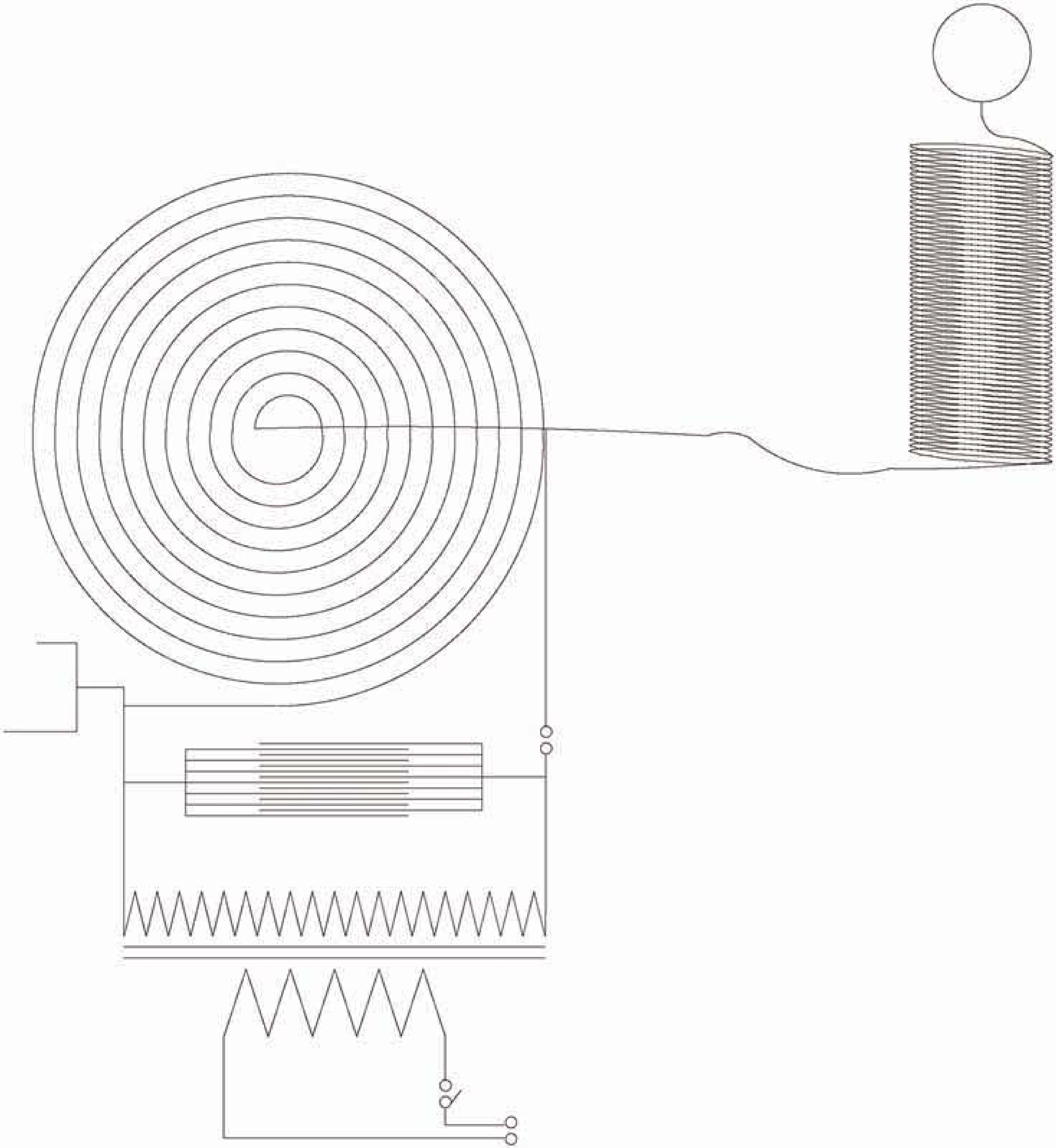
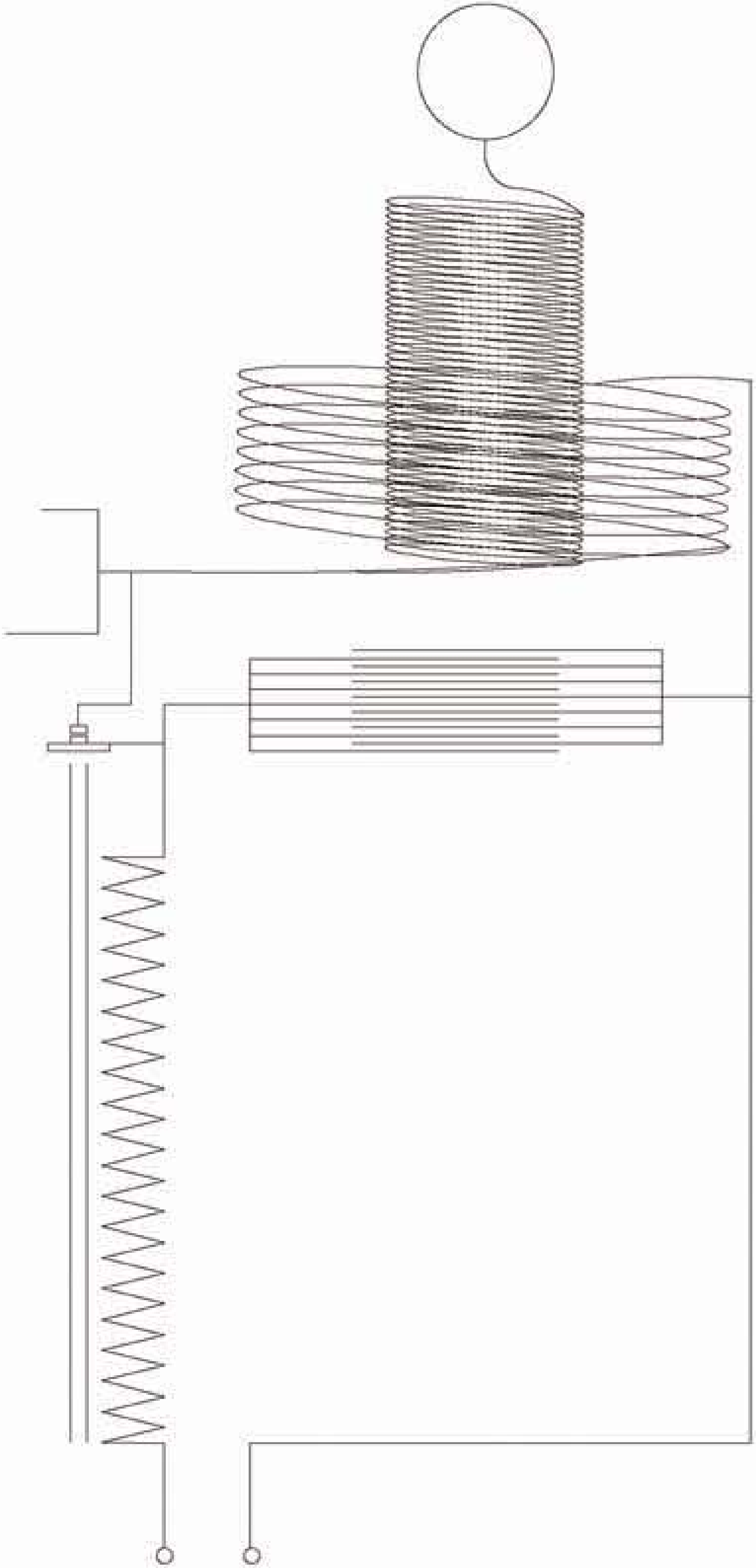
LITTLE ROCK, ARK.

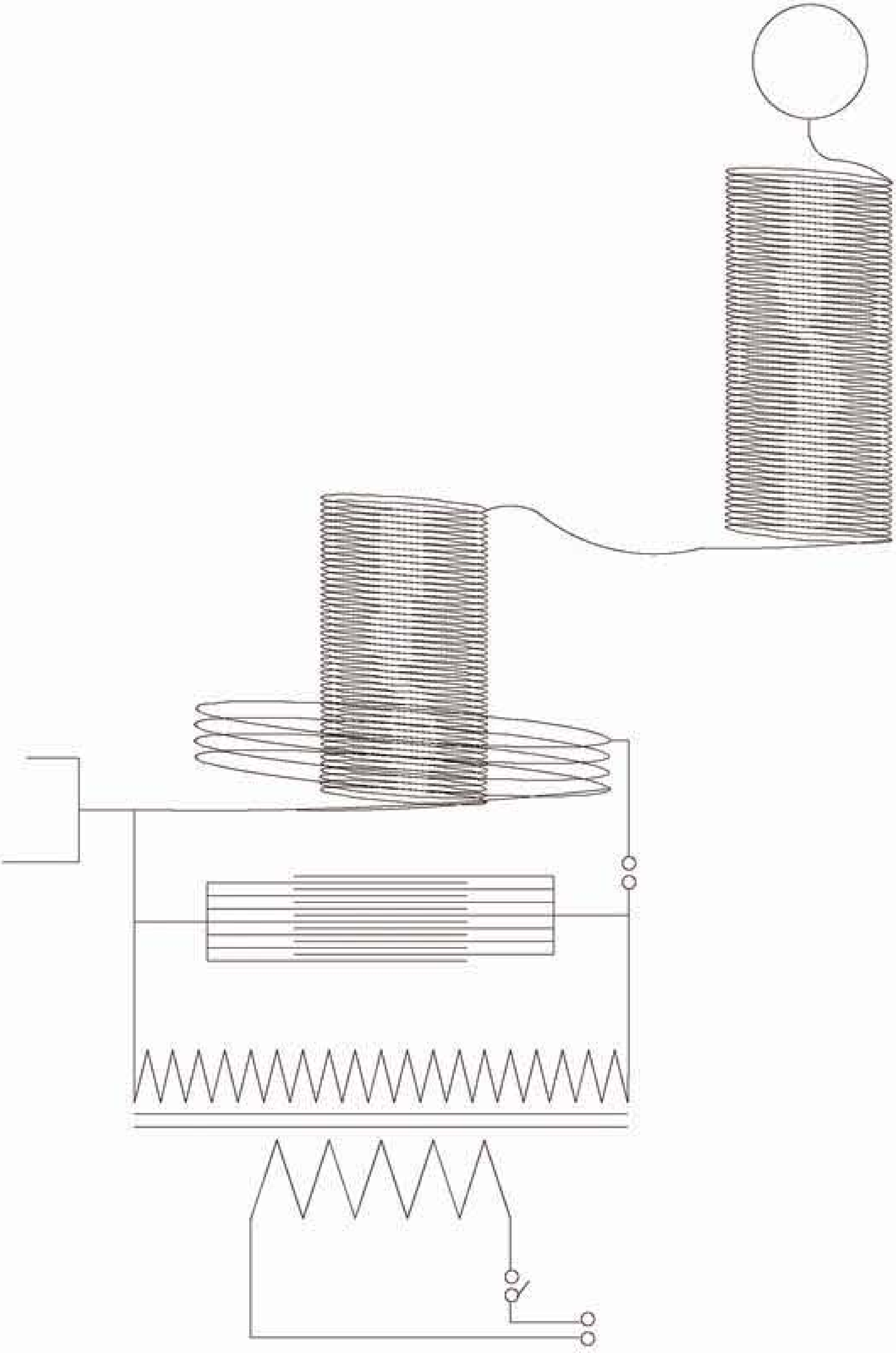


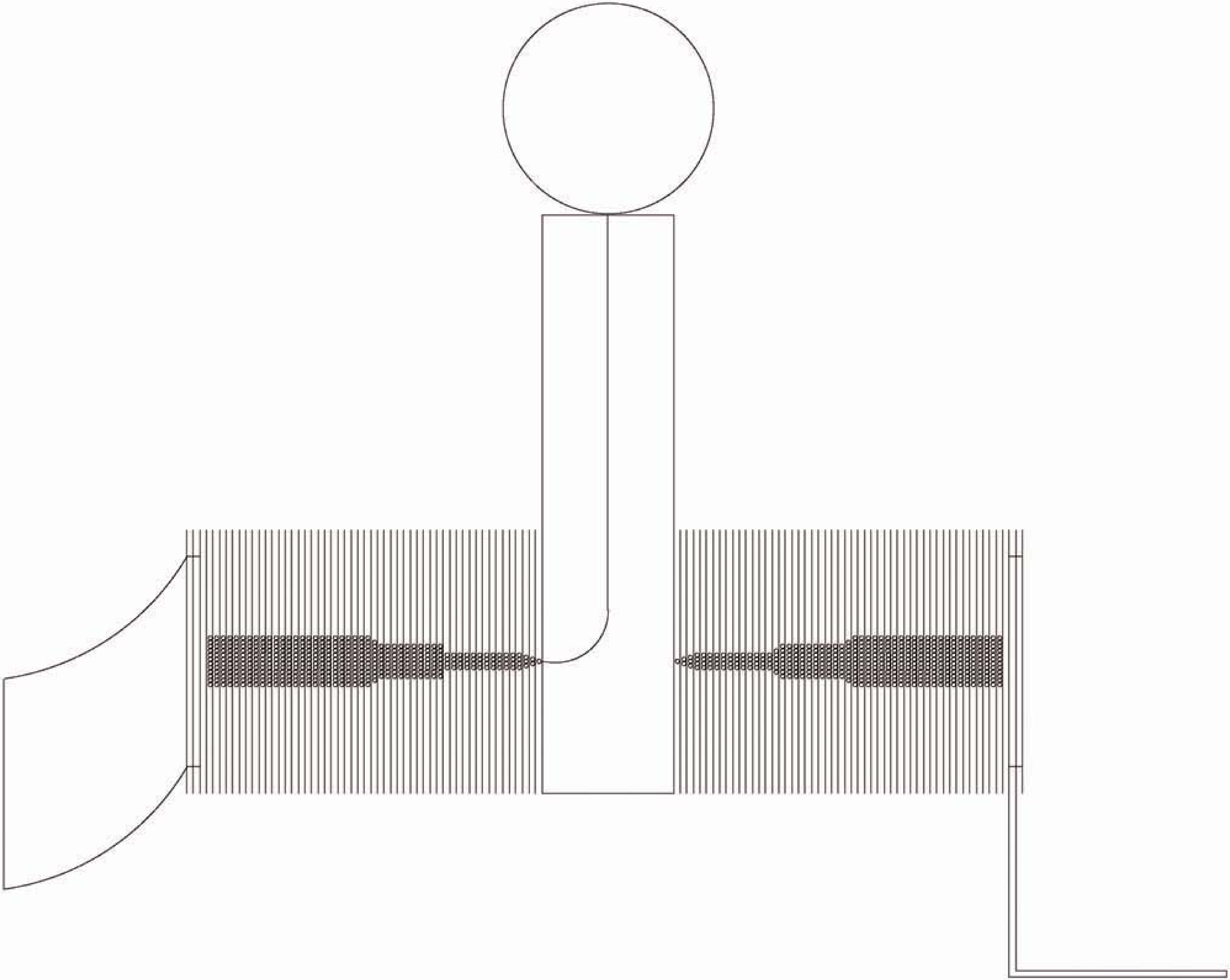


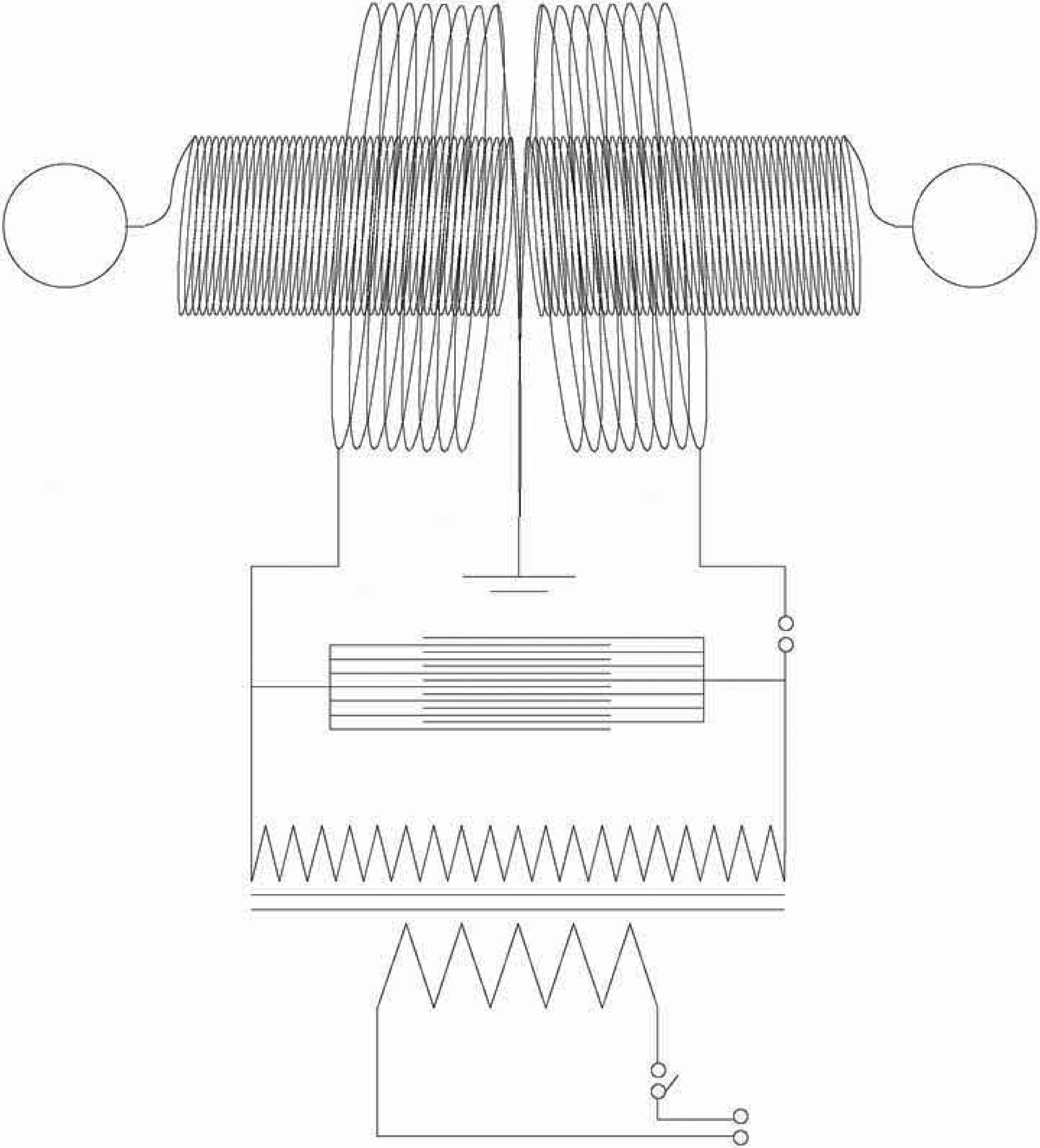


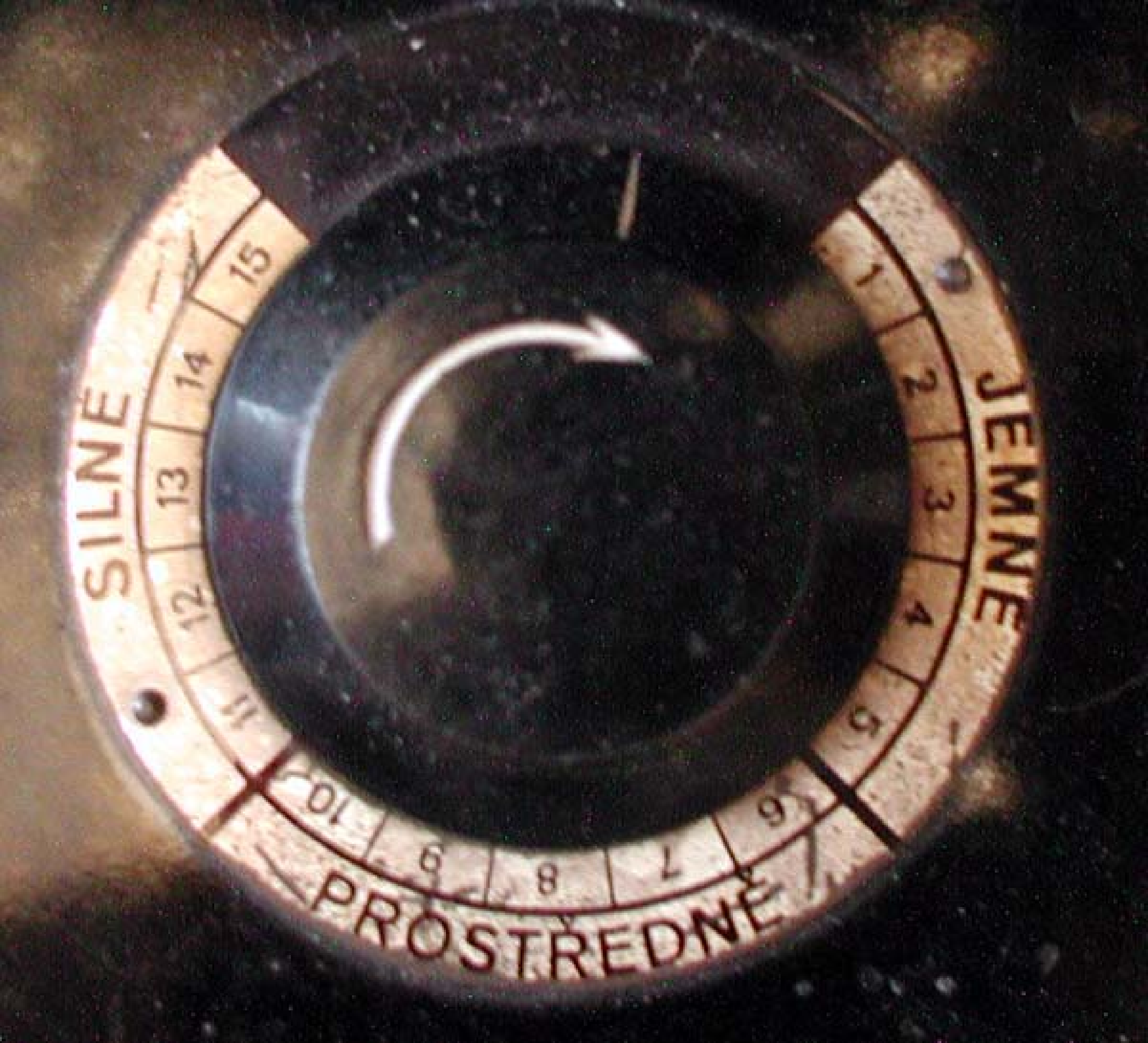








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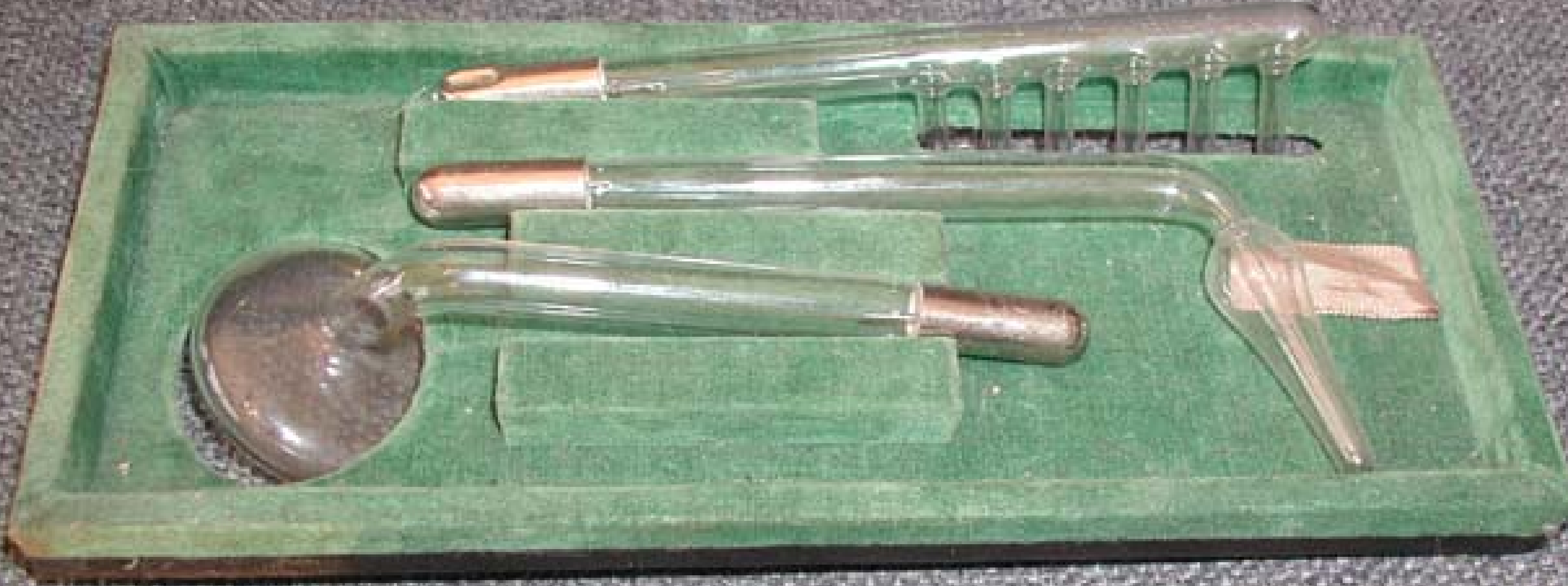

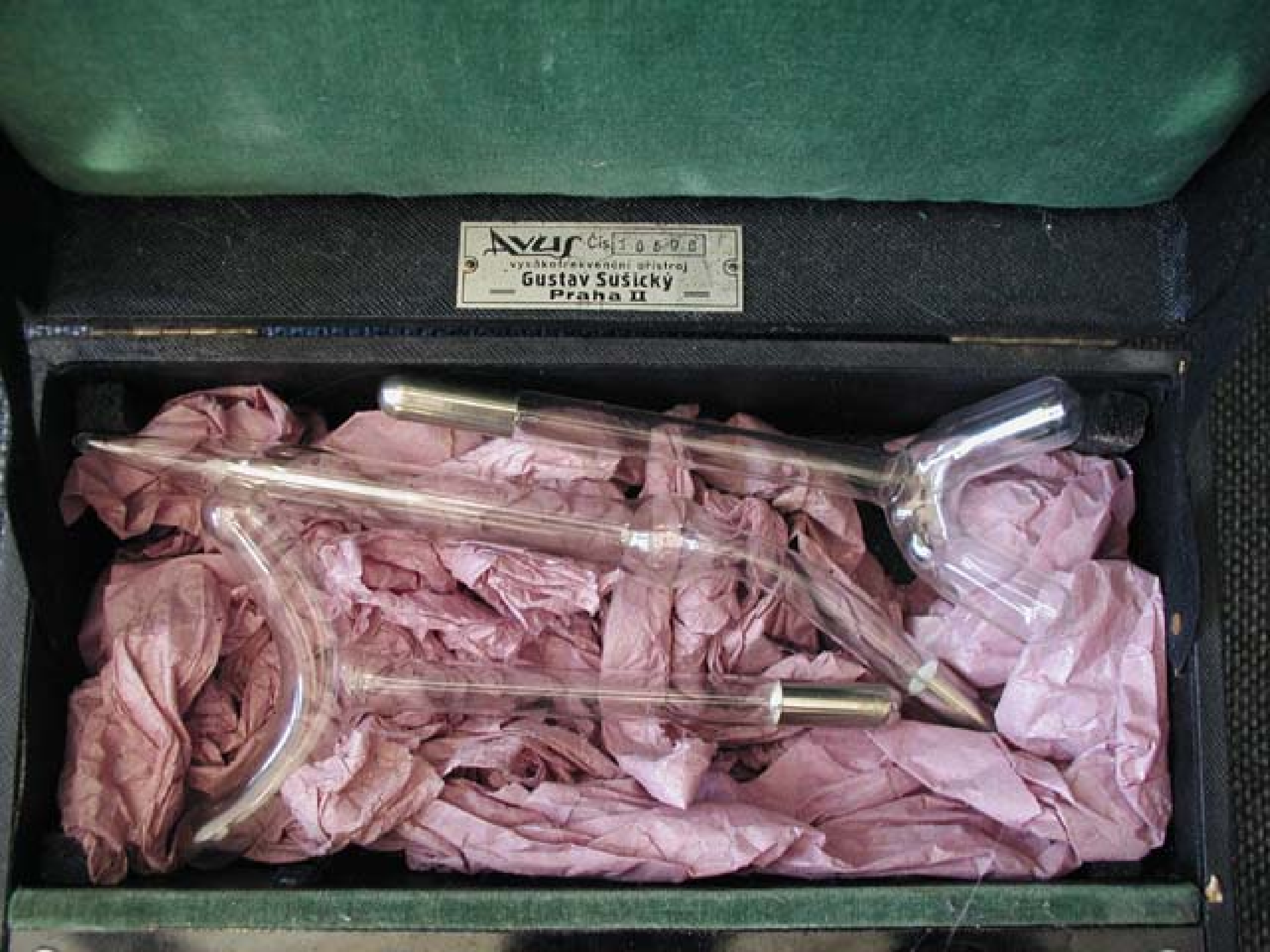
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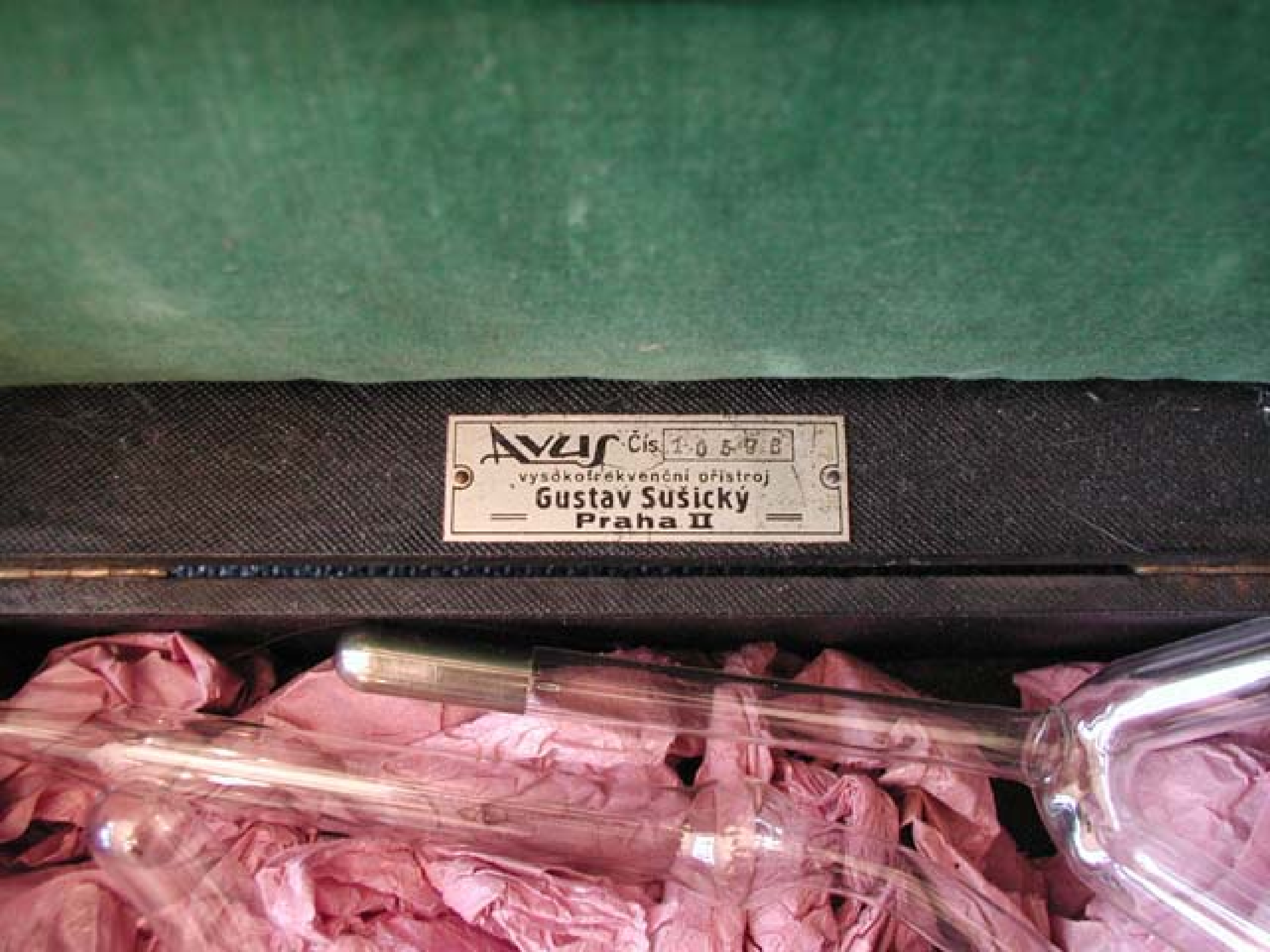
vysokofrekvenční přístroj
Gustav Sušický
Praha II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vysokofrekvenční přístroj
Gustav Sušický
Praha II

Světlo
barva
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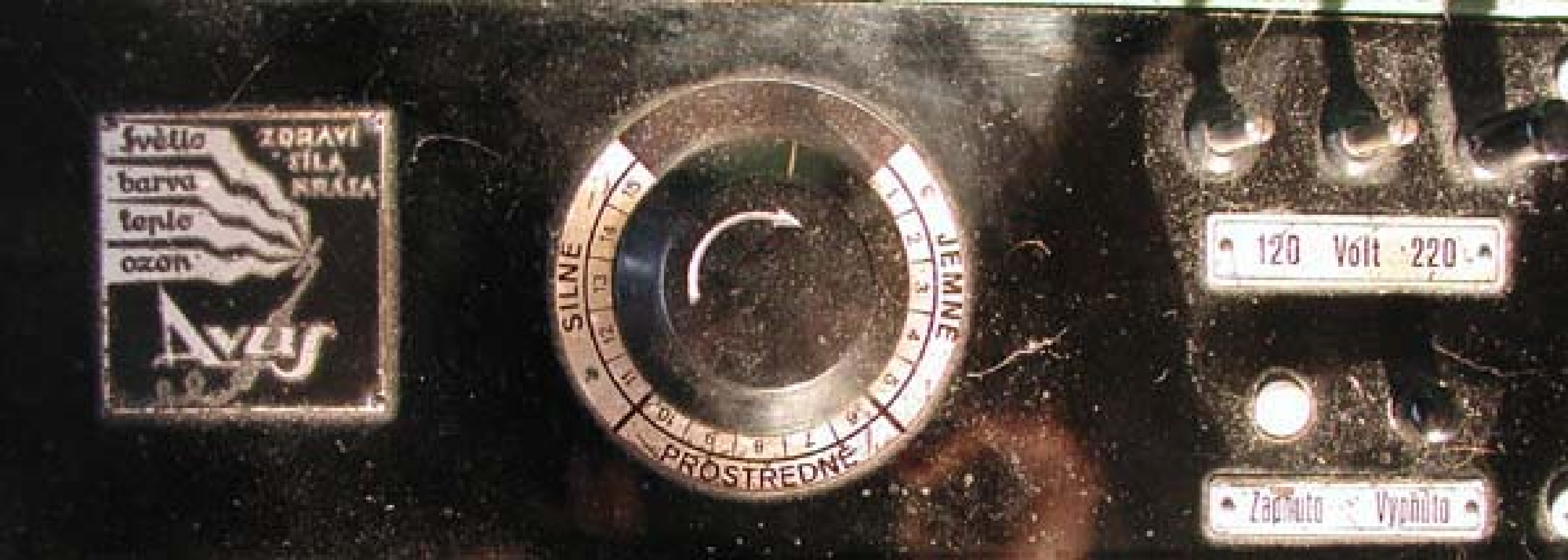
KRÁSA

120 Volt 220
Zapnuto Vypnuto



Světlo
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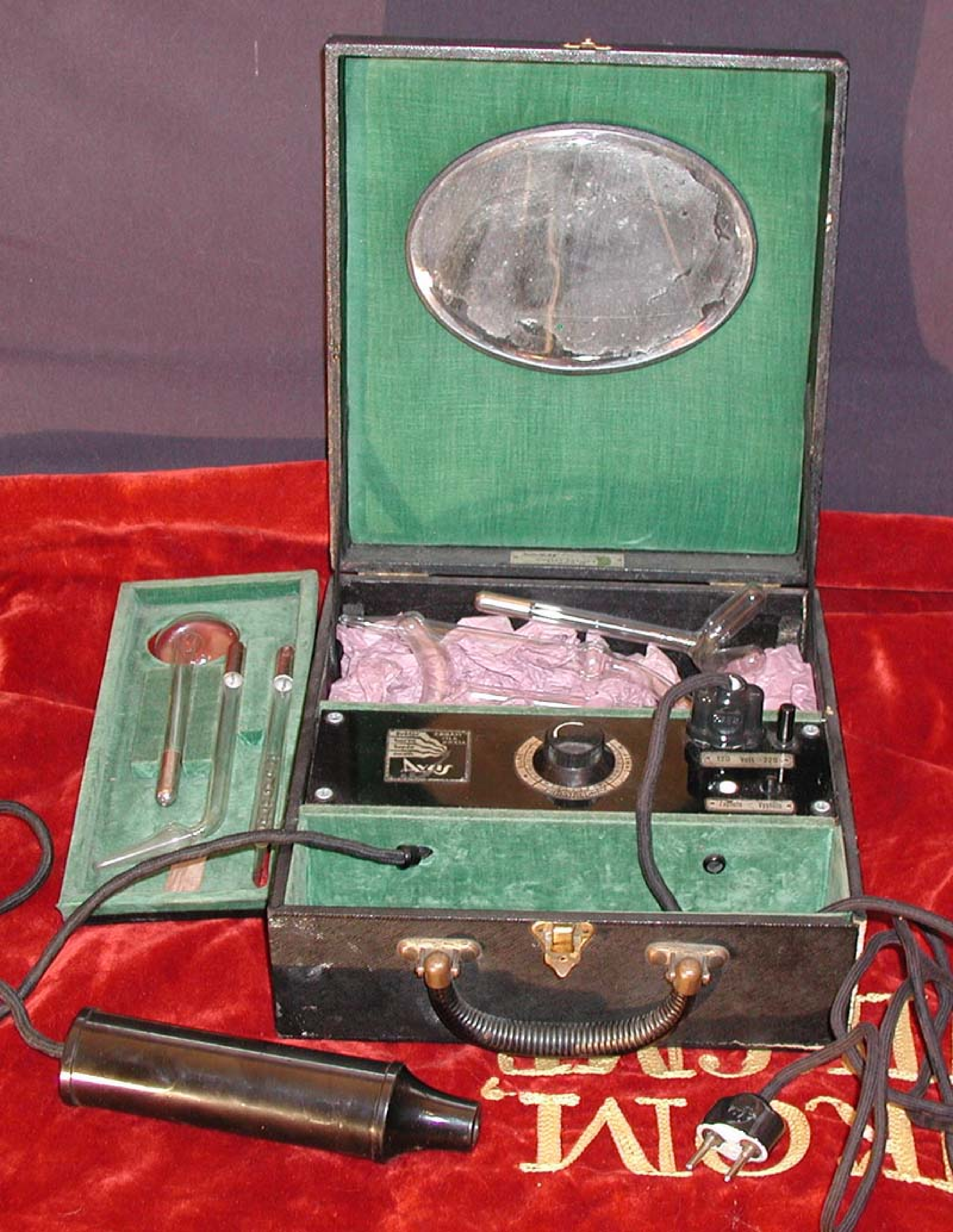
120 Volt 220
Zapnuto Vypnuto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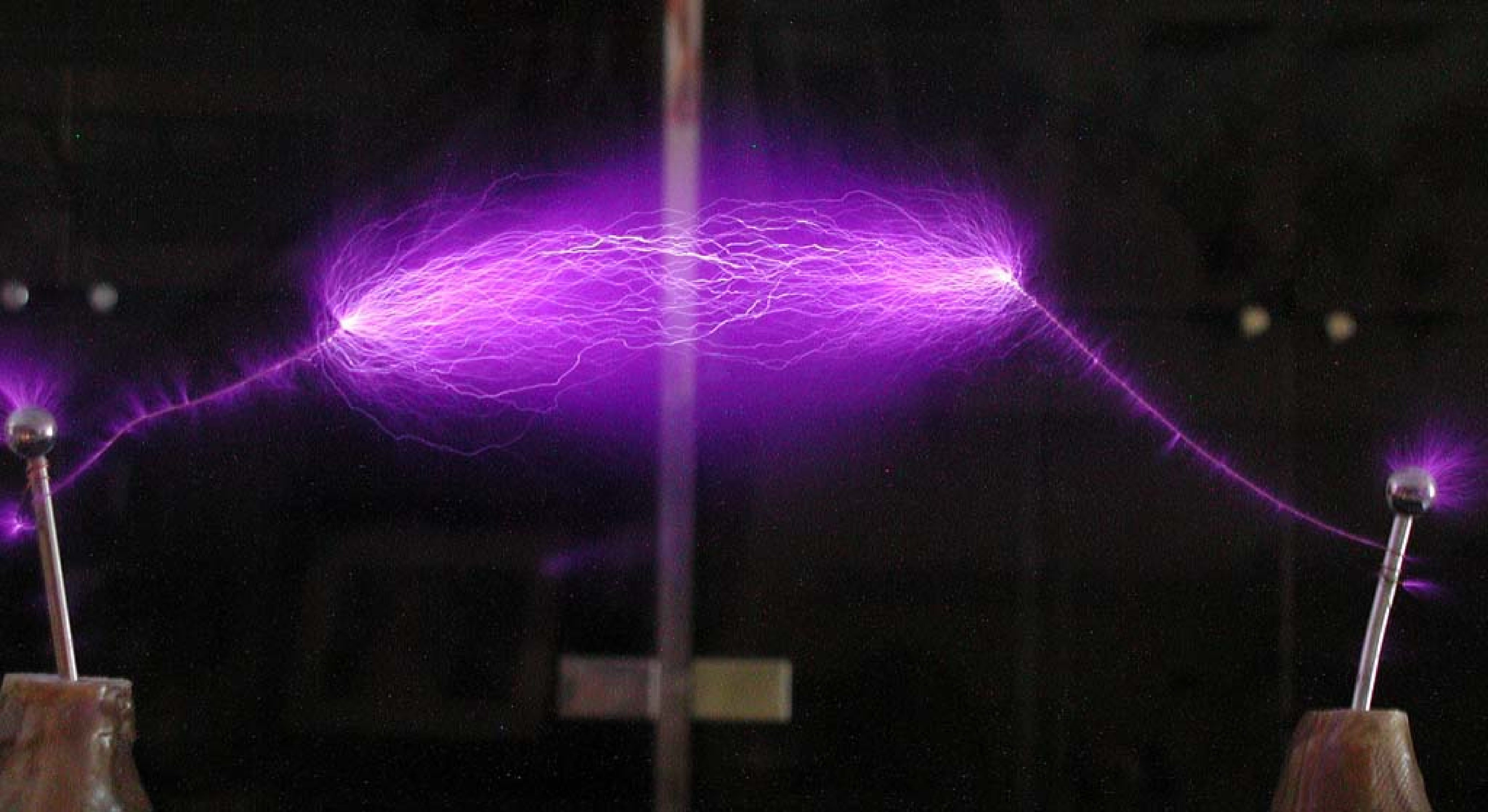
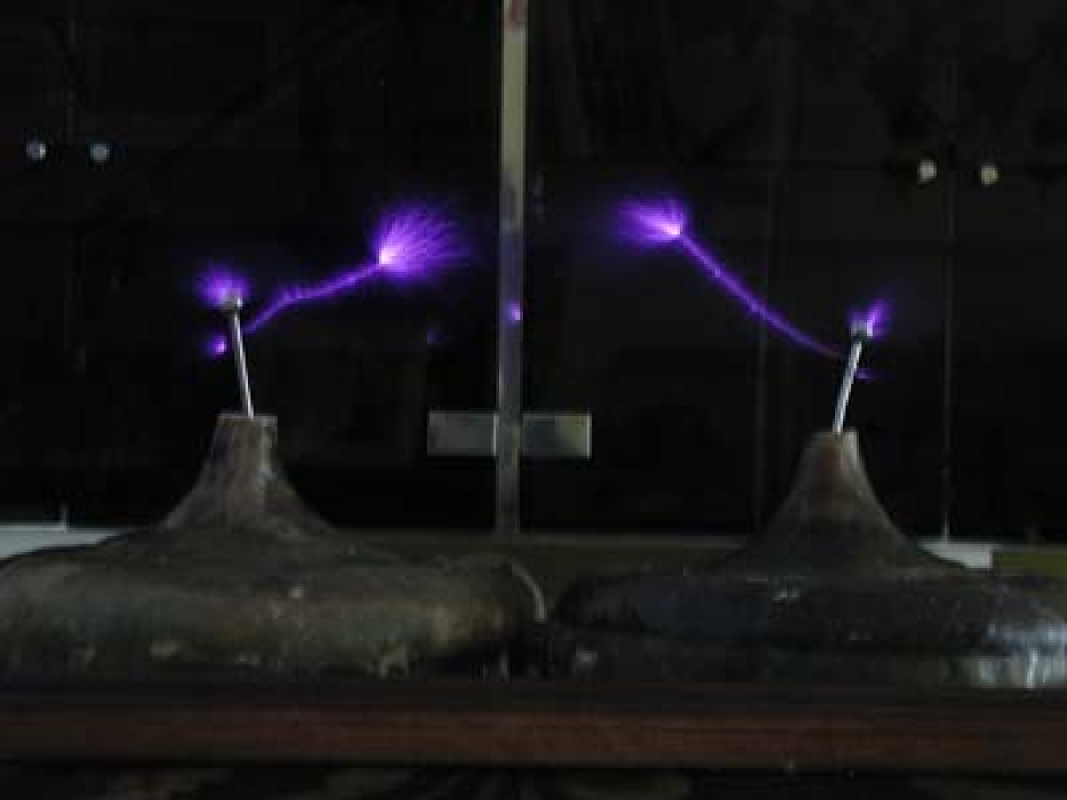
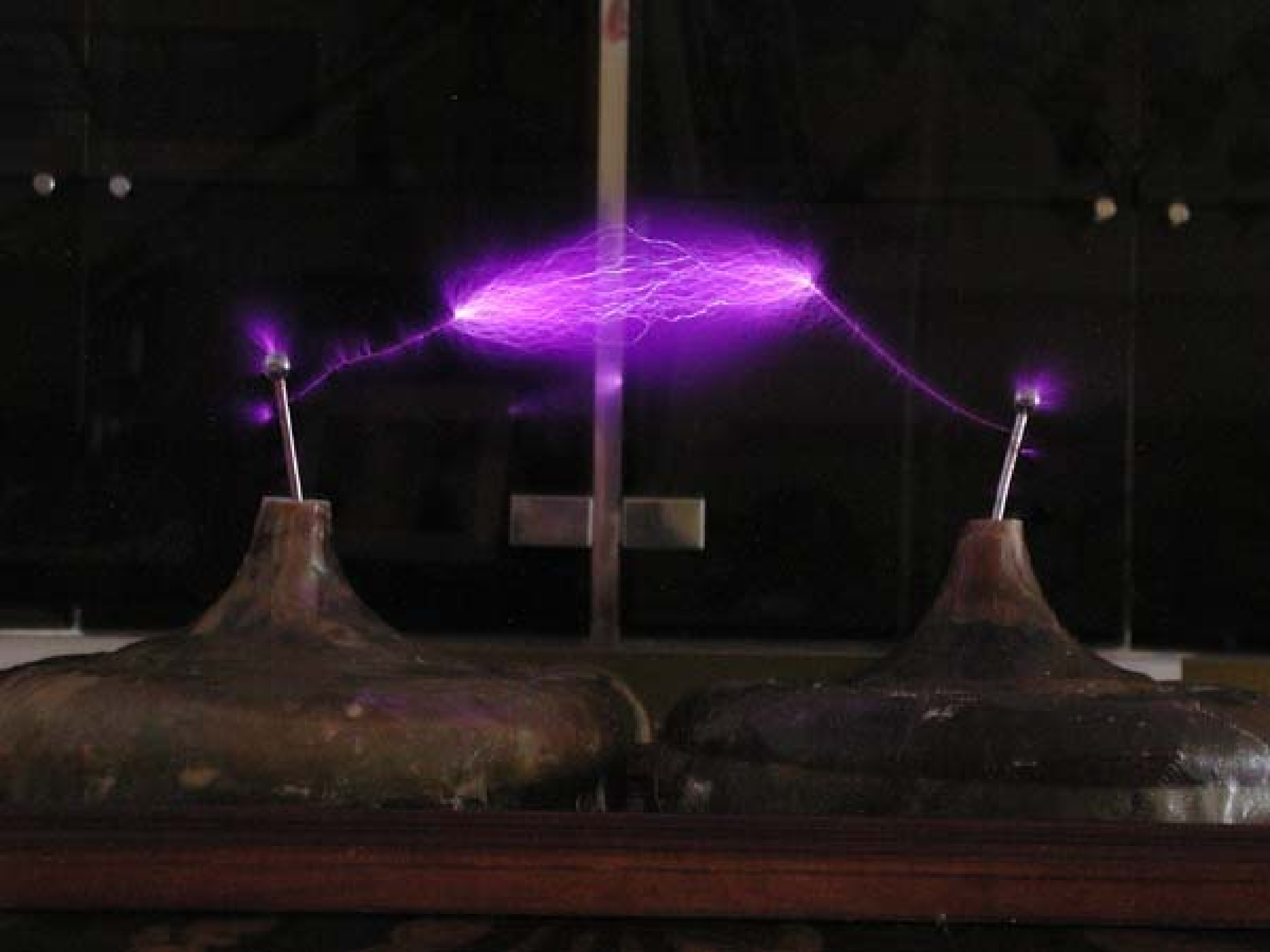
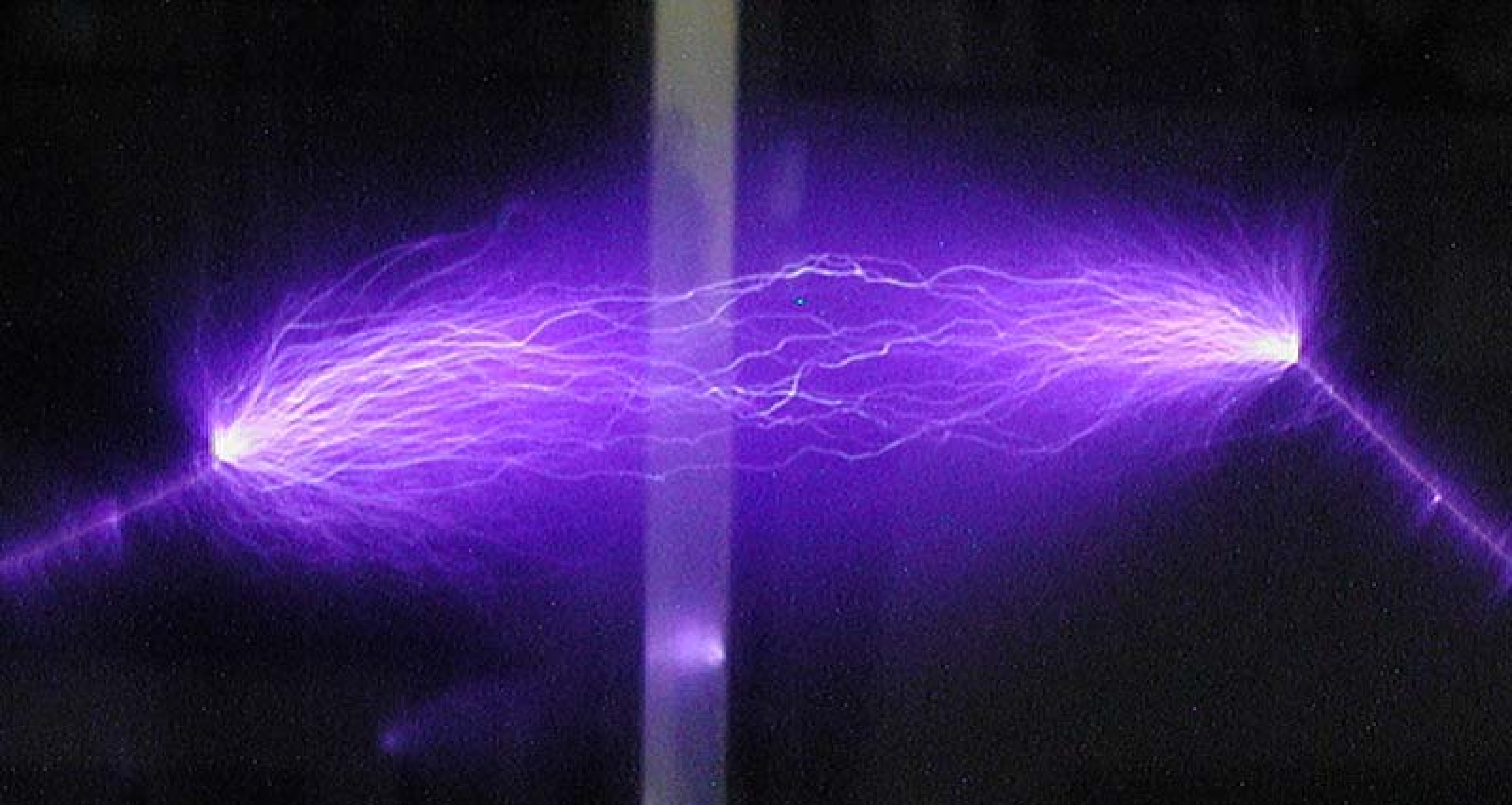
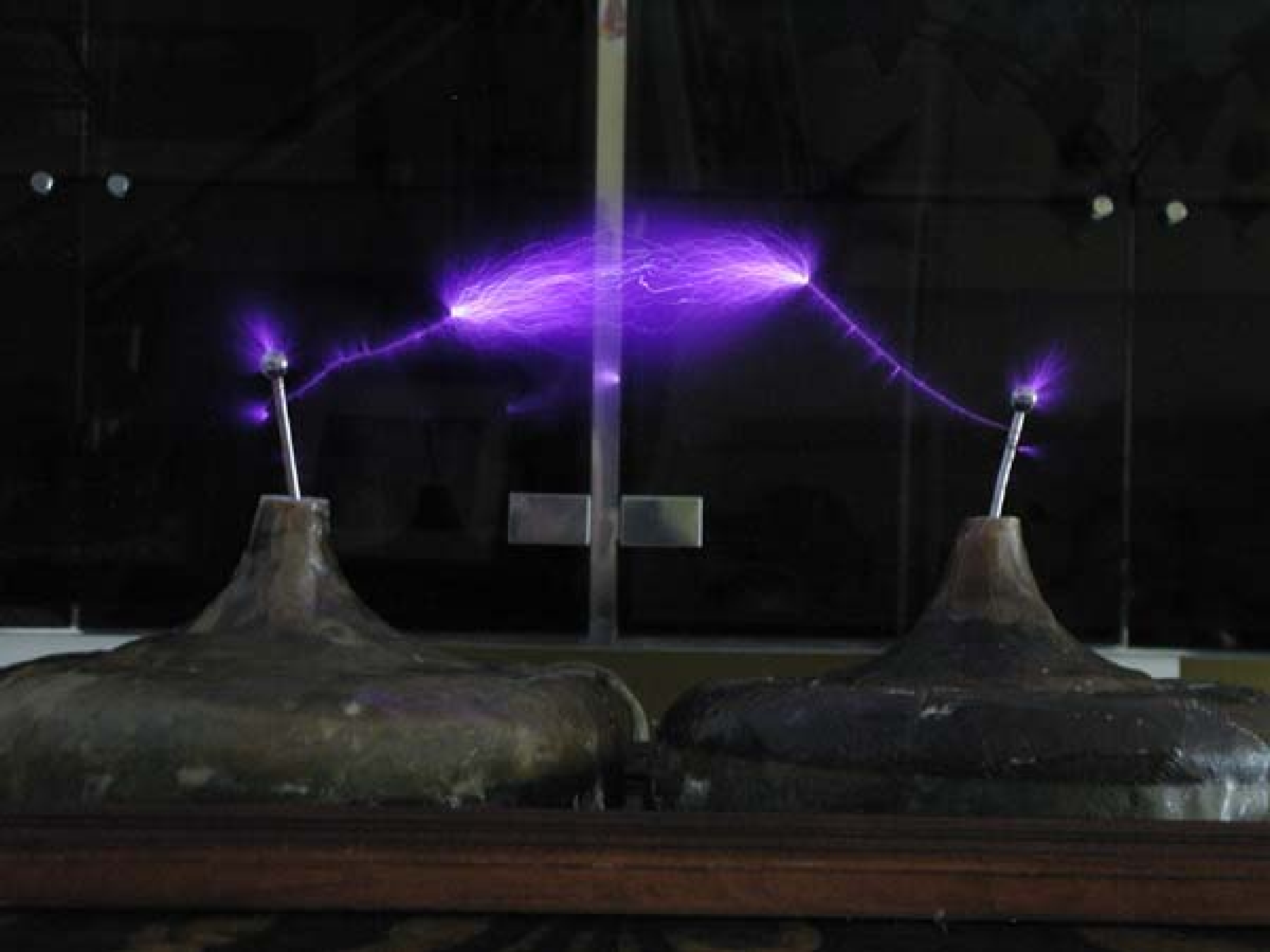
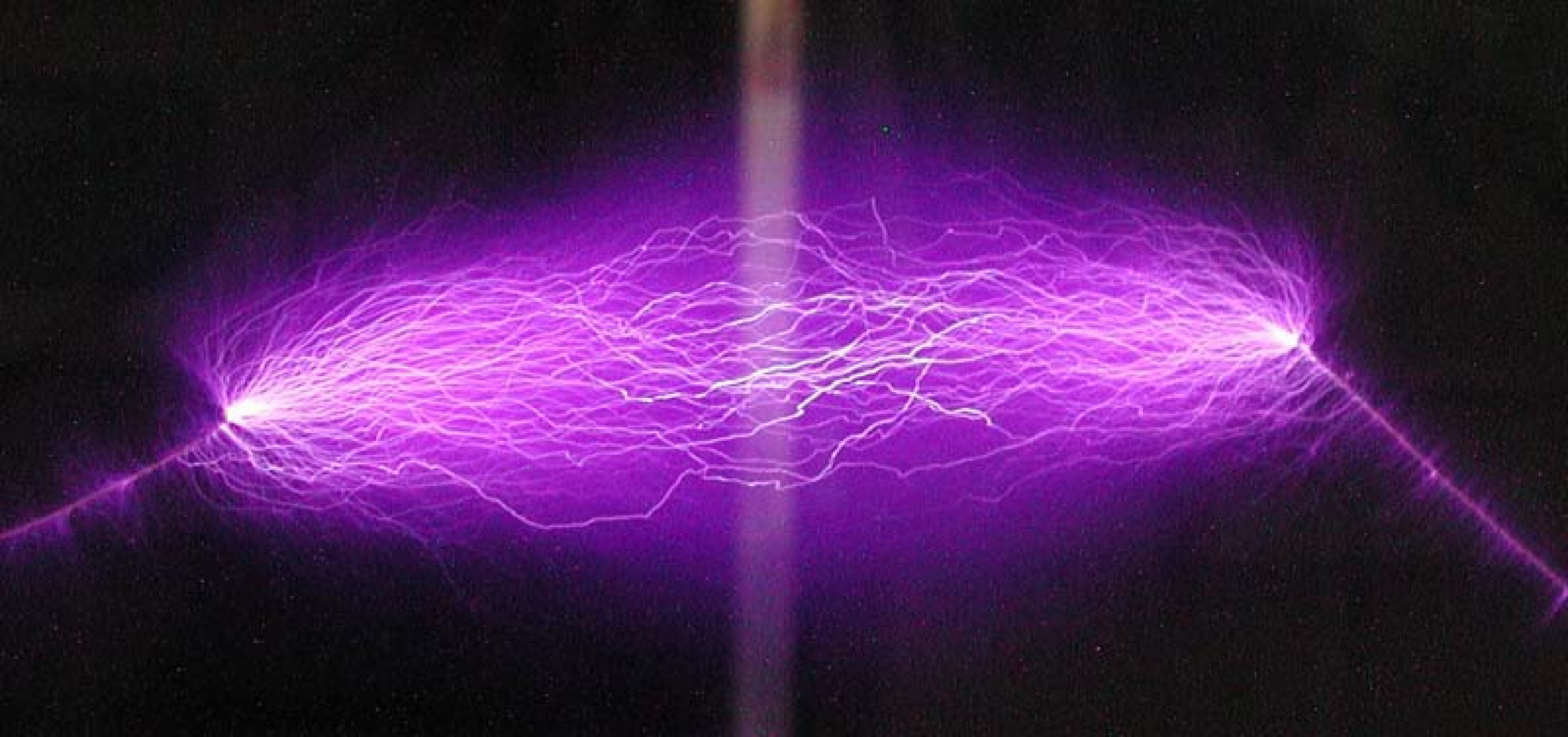




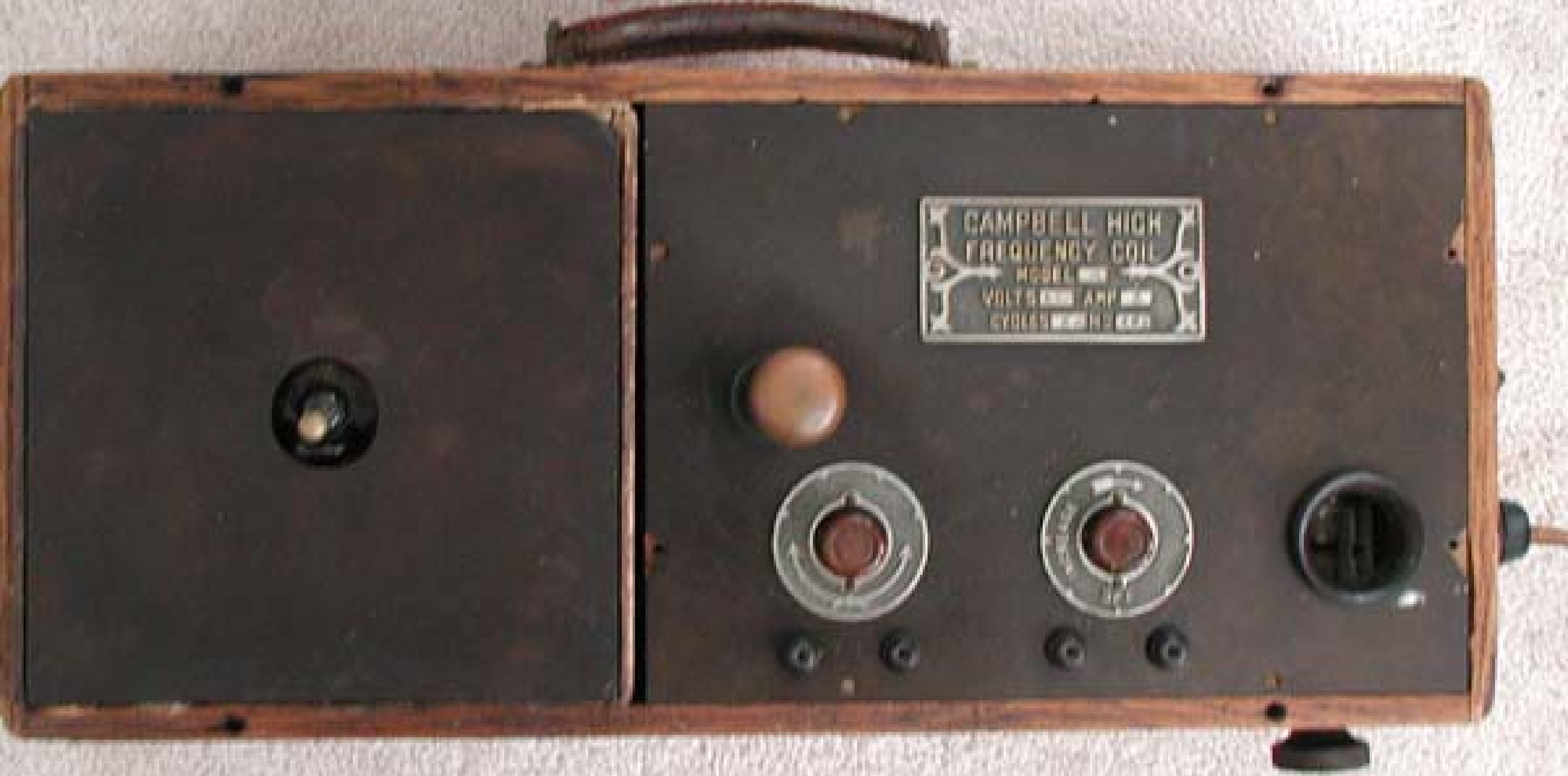








FRANK S. BETZ CO.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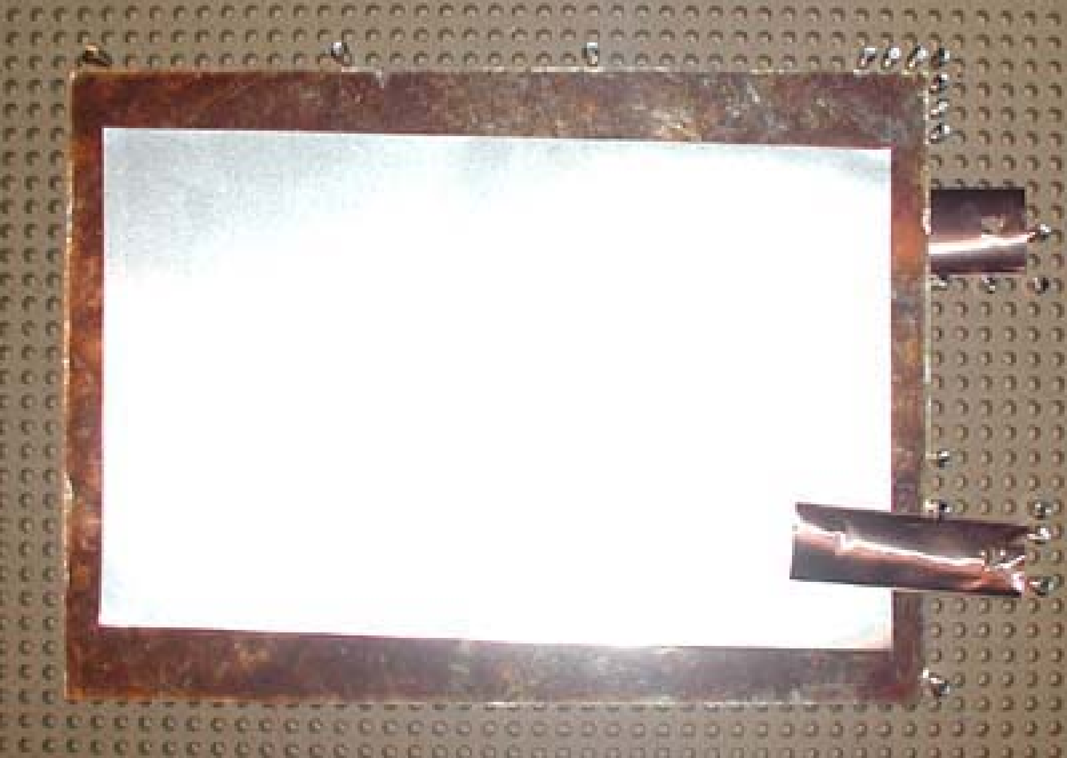
FREQUENCY COIL
MODEL
VOLTS AMP
CYCLES NO



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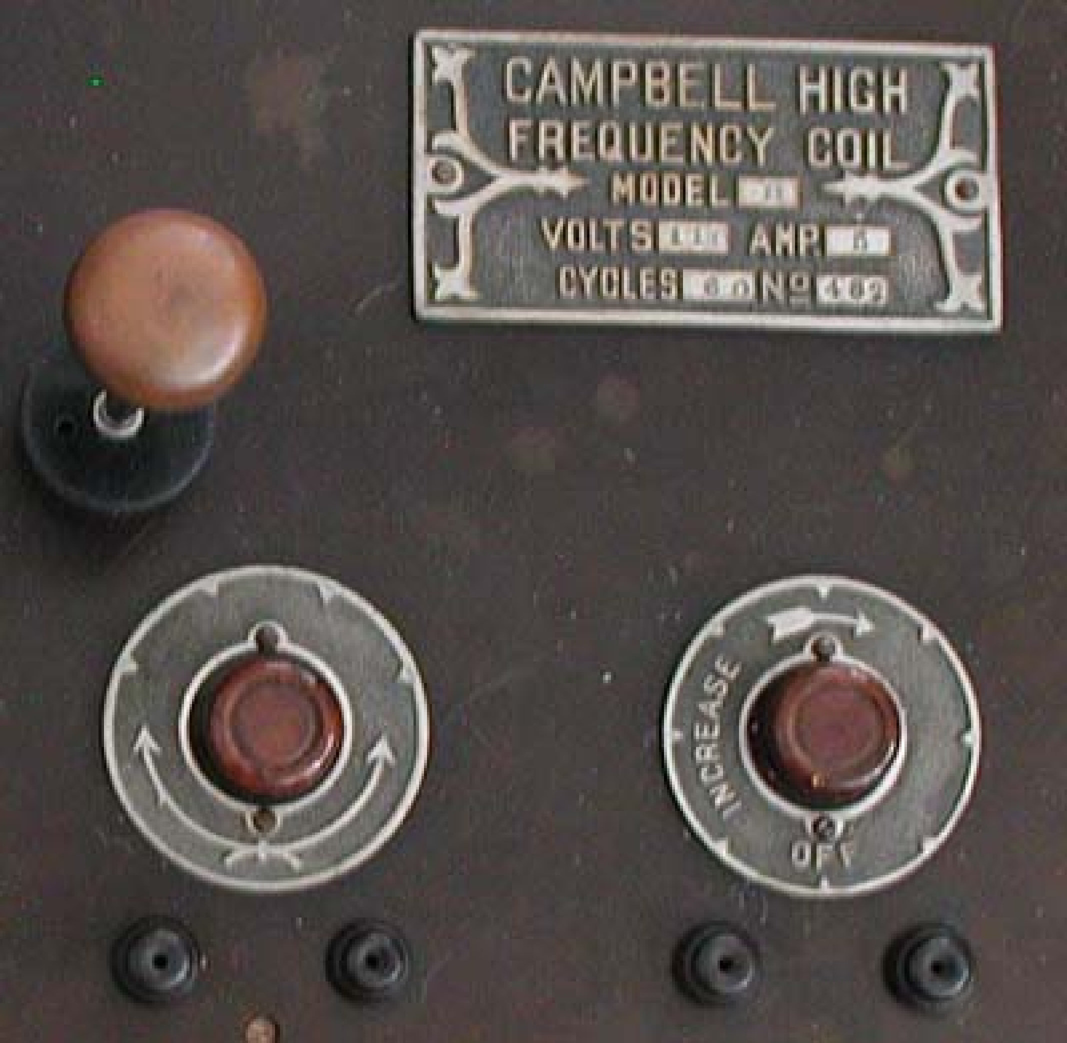
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FREQUENCY COIL
MODEL
VOLTS 110
AMP
CYCLES 60
No
INCREASE
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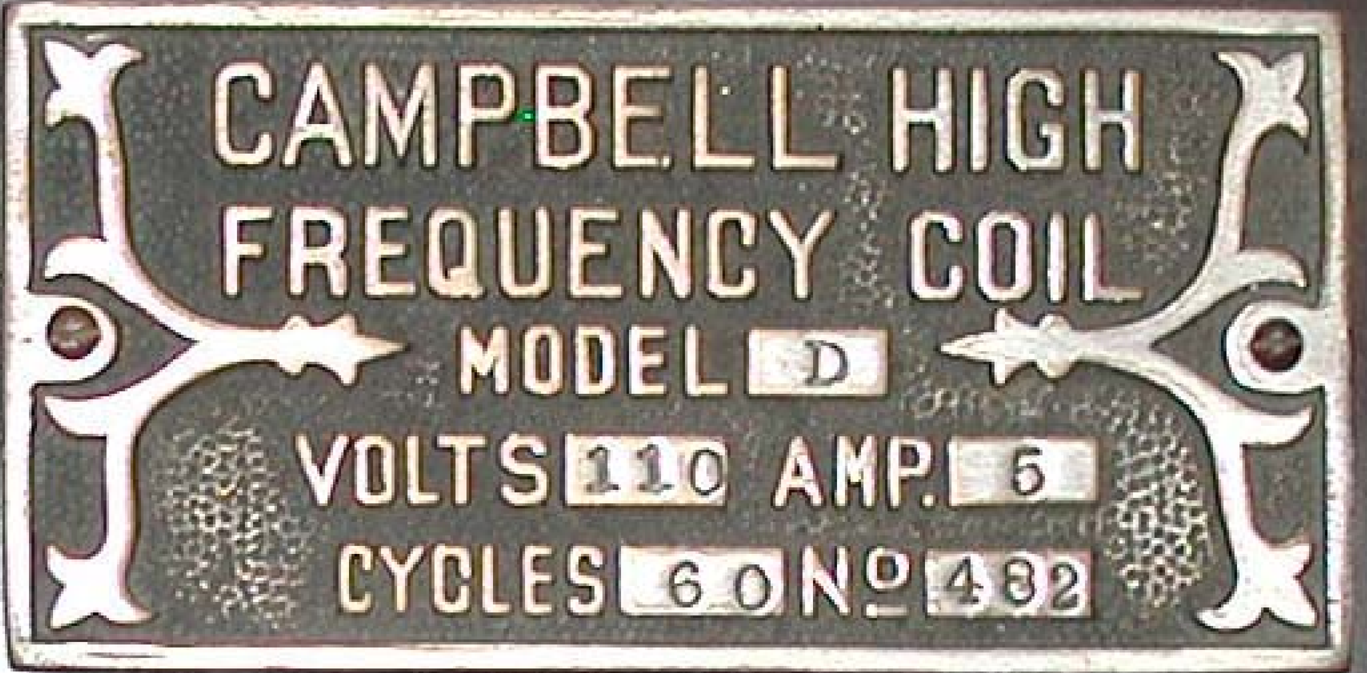

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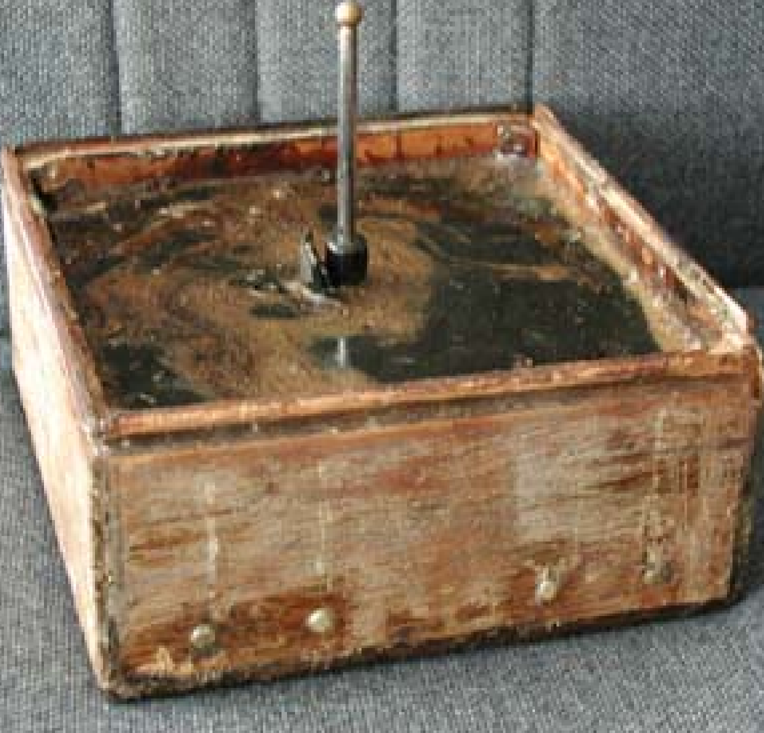
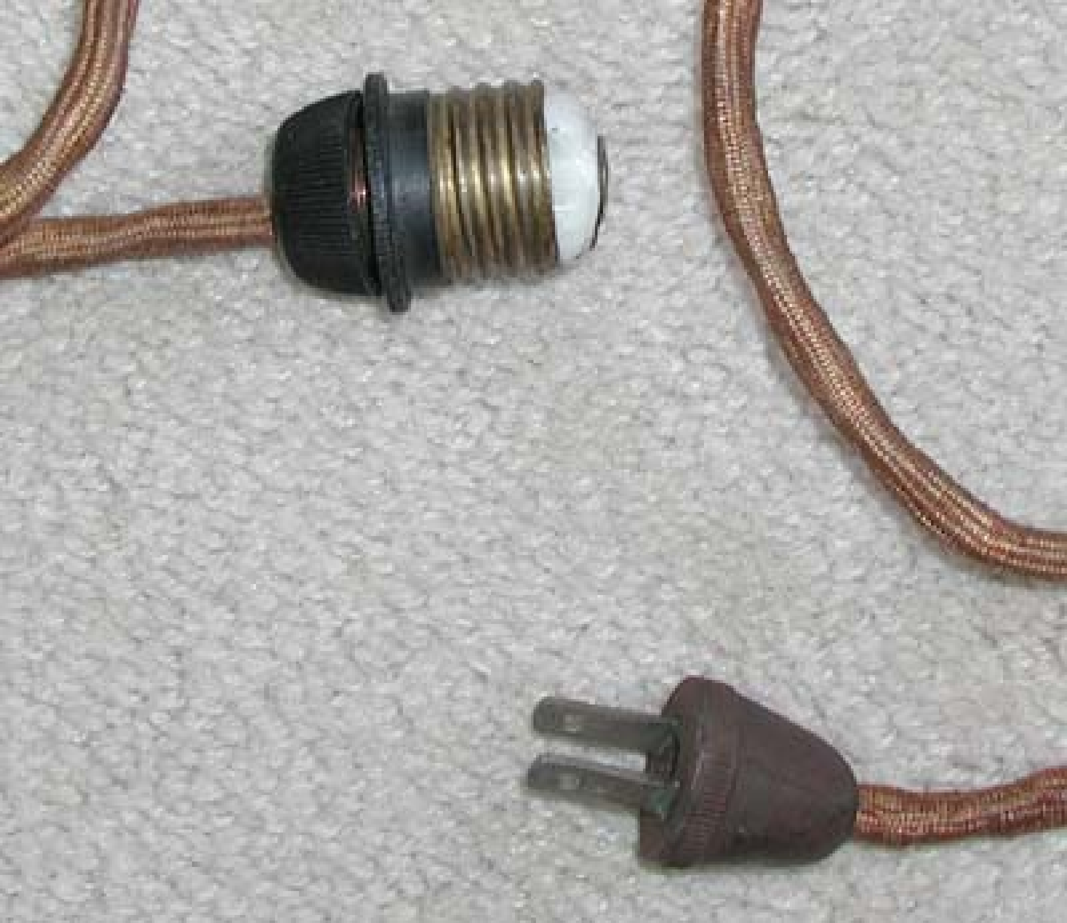
MODEL D
VOLTS 110 AMP. 6
CYCLES 60 No 482





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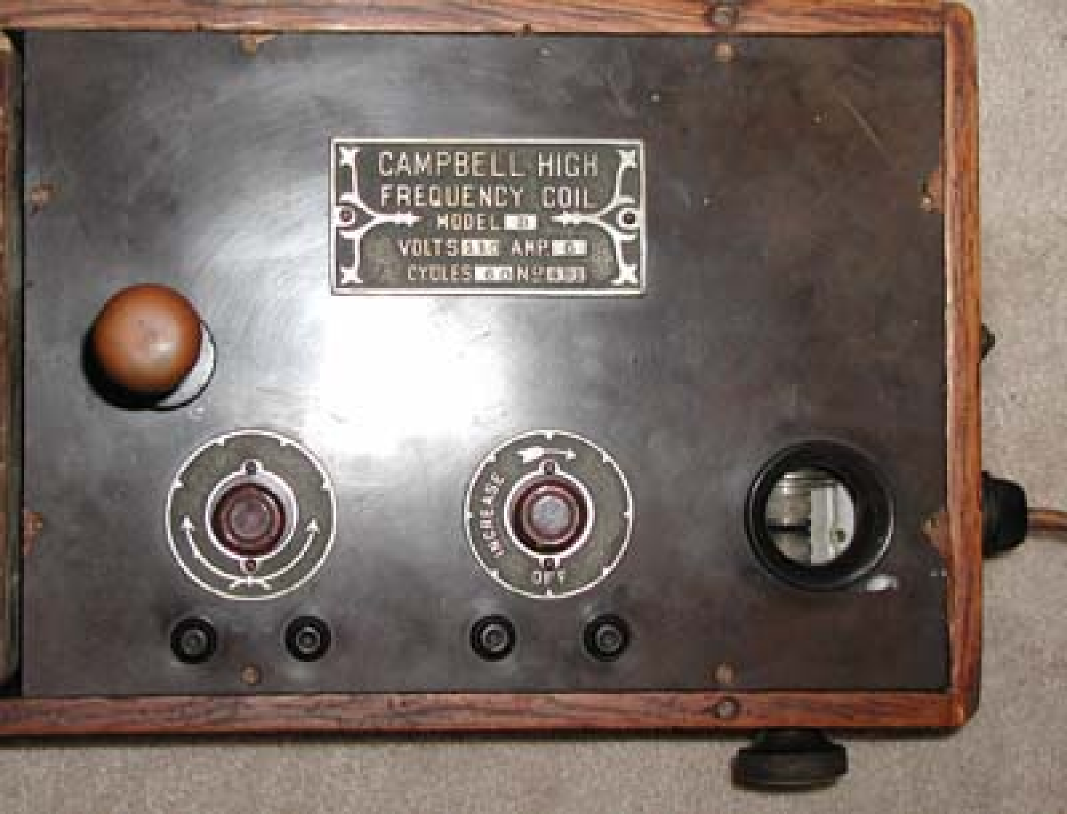
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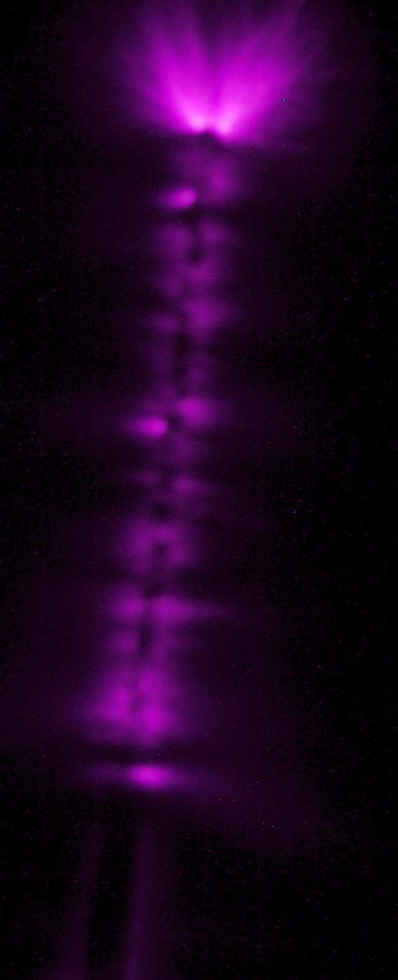
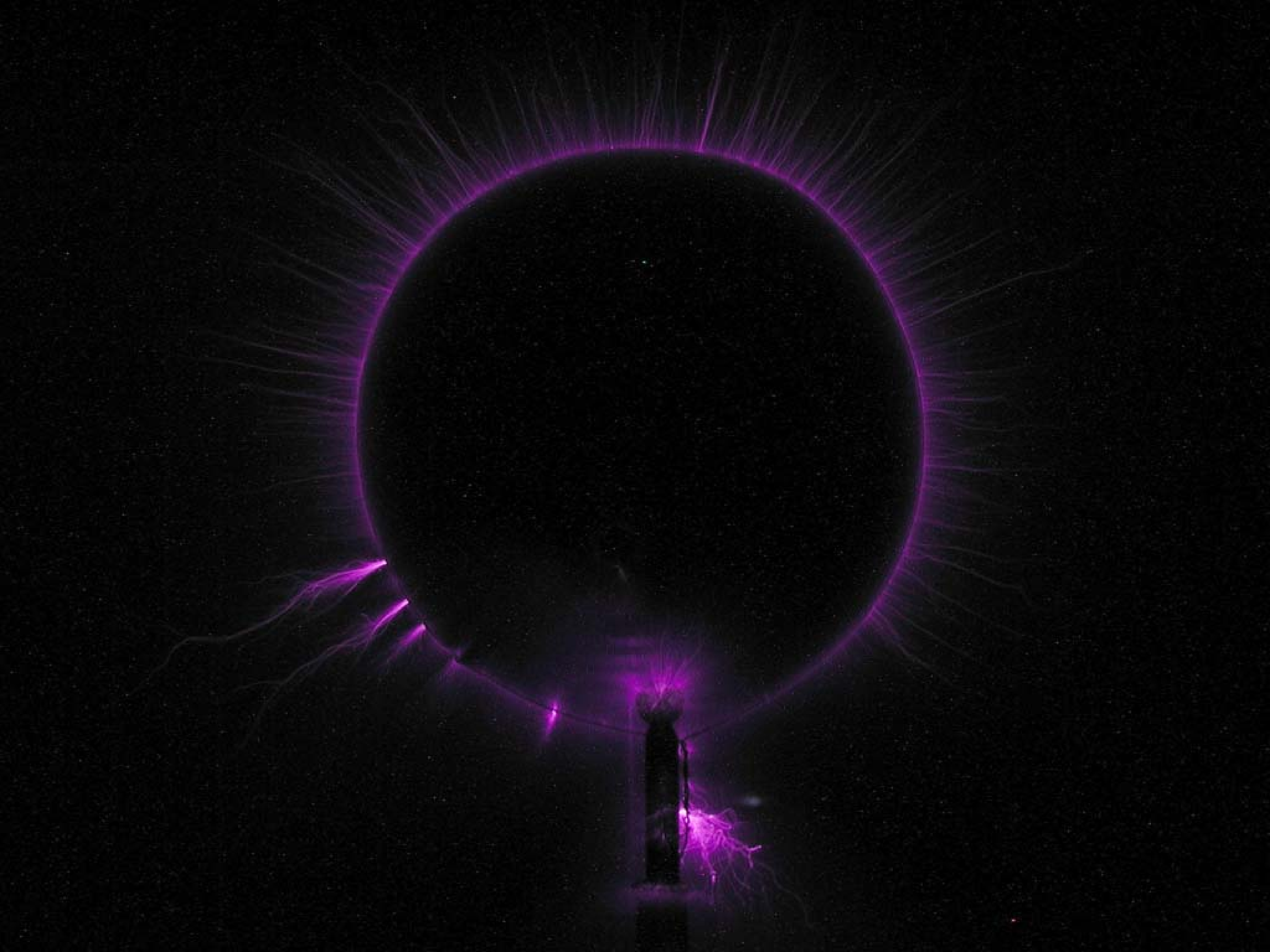
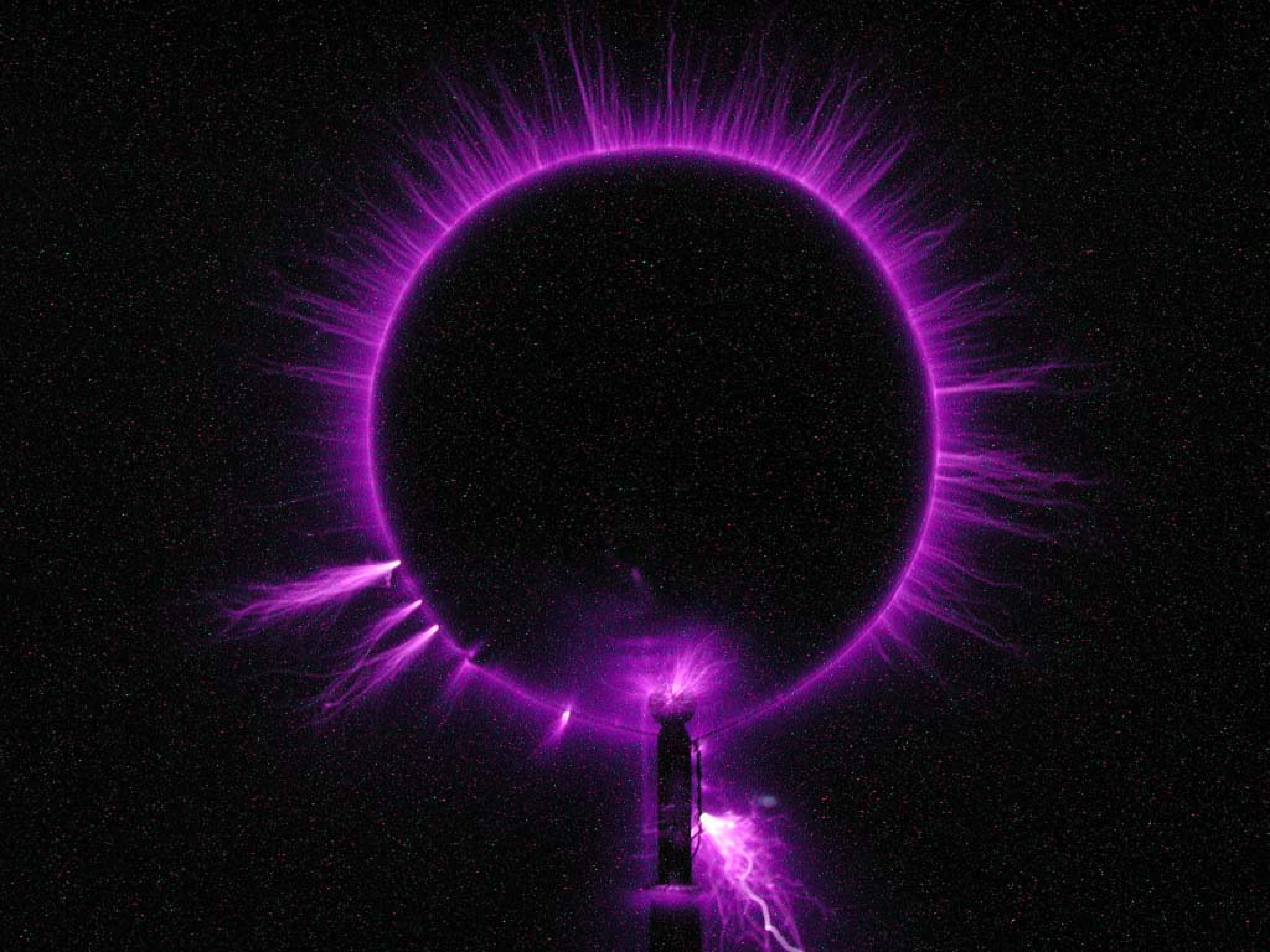
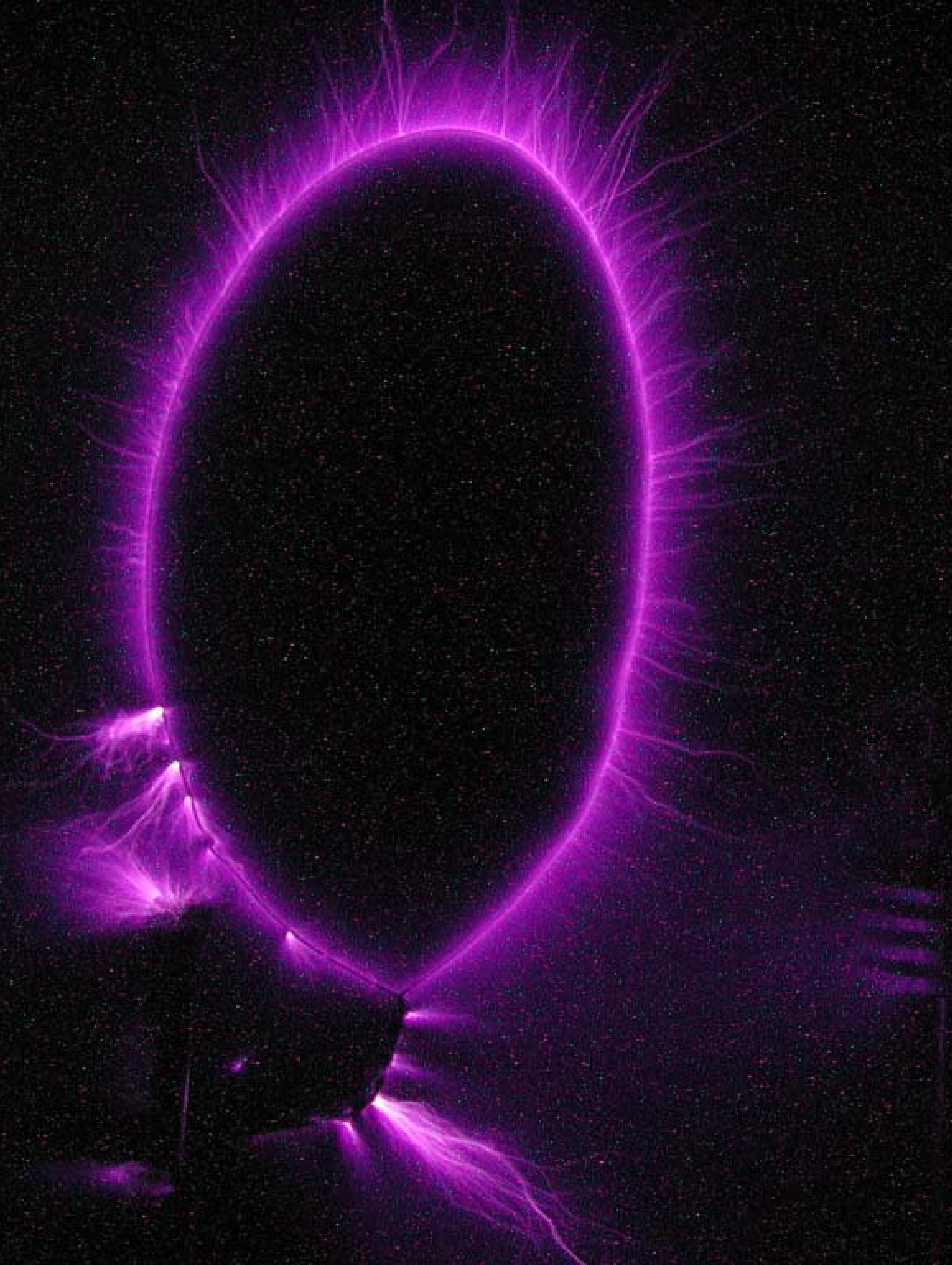
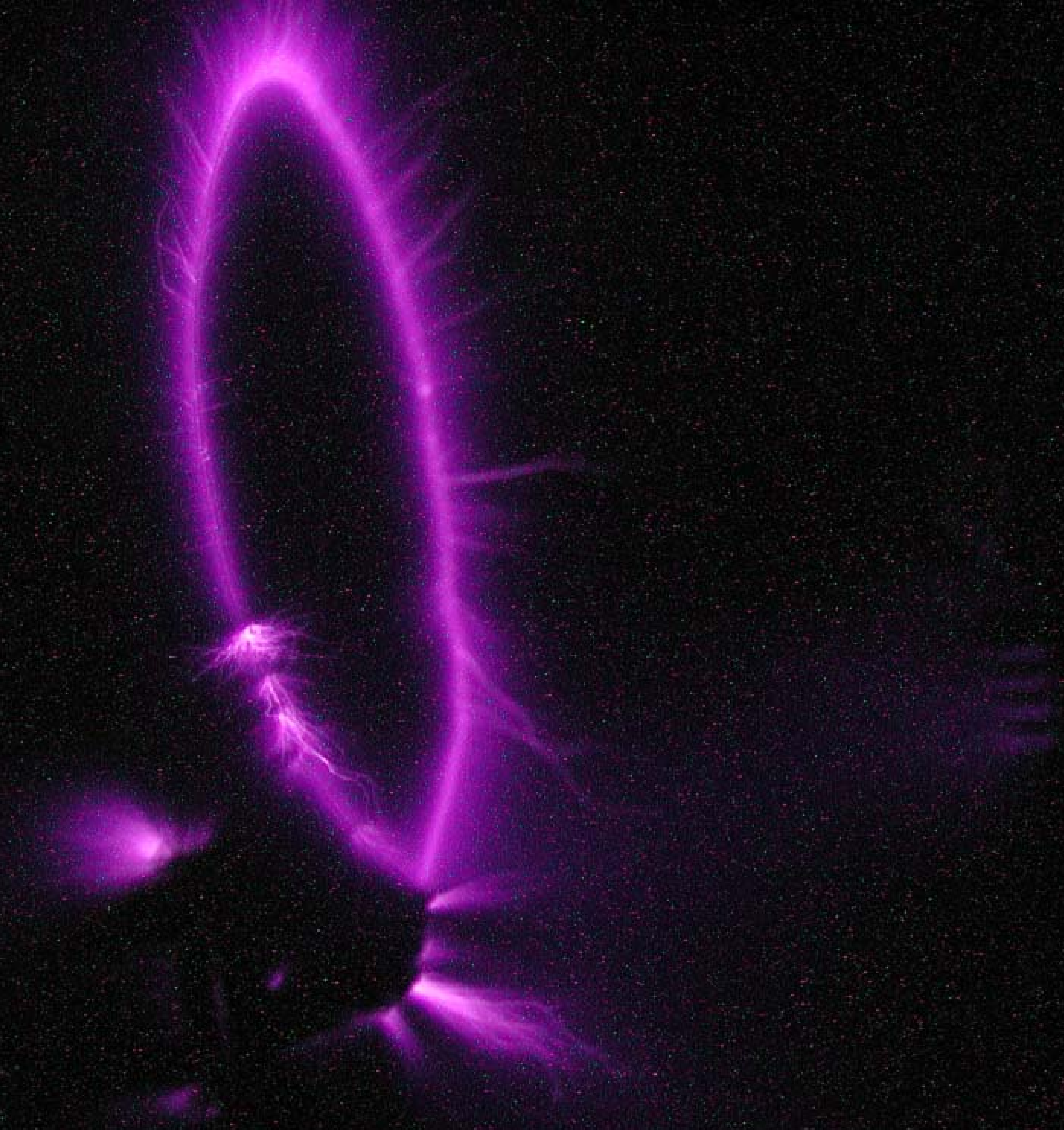
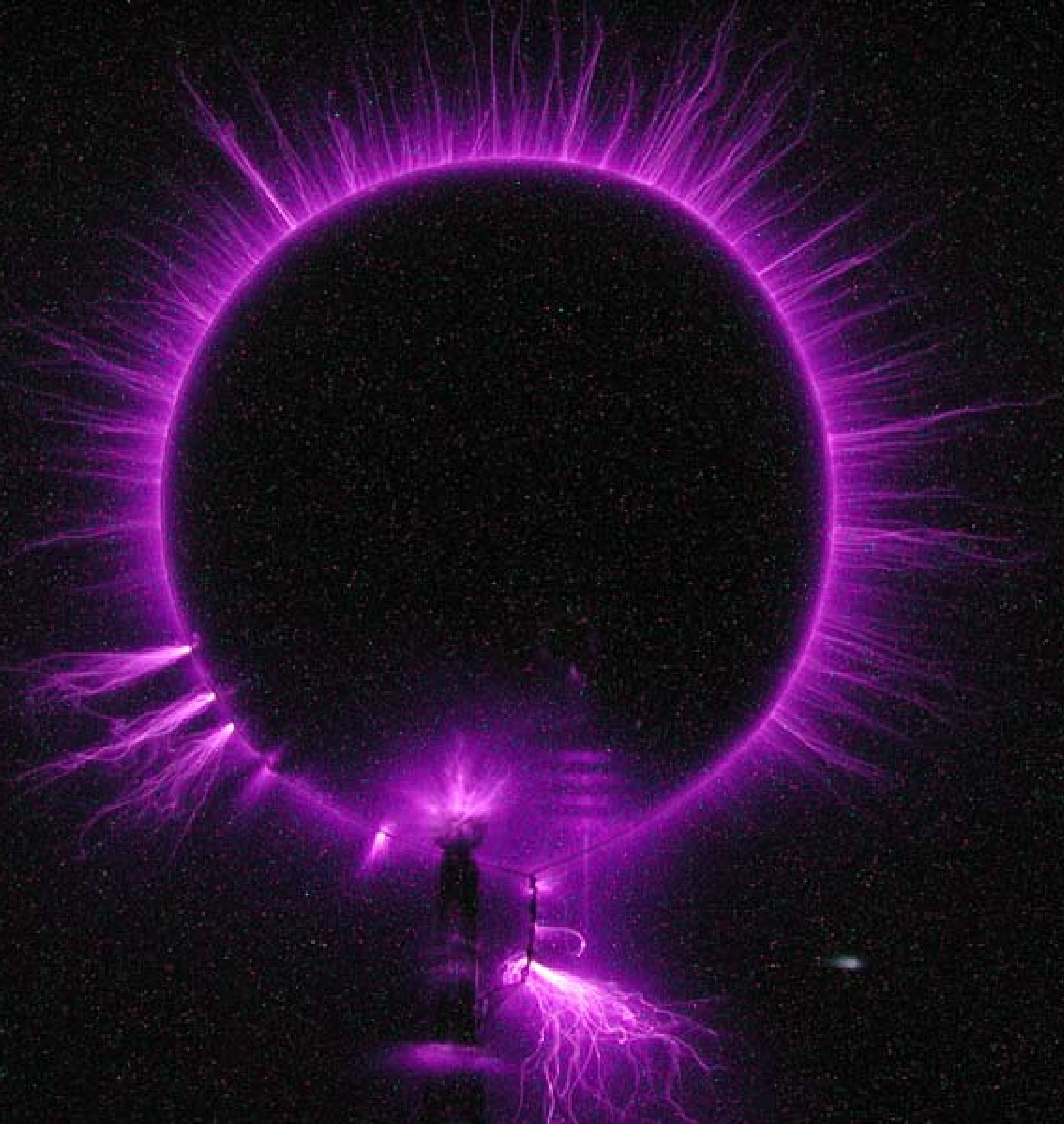


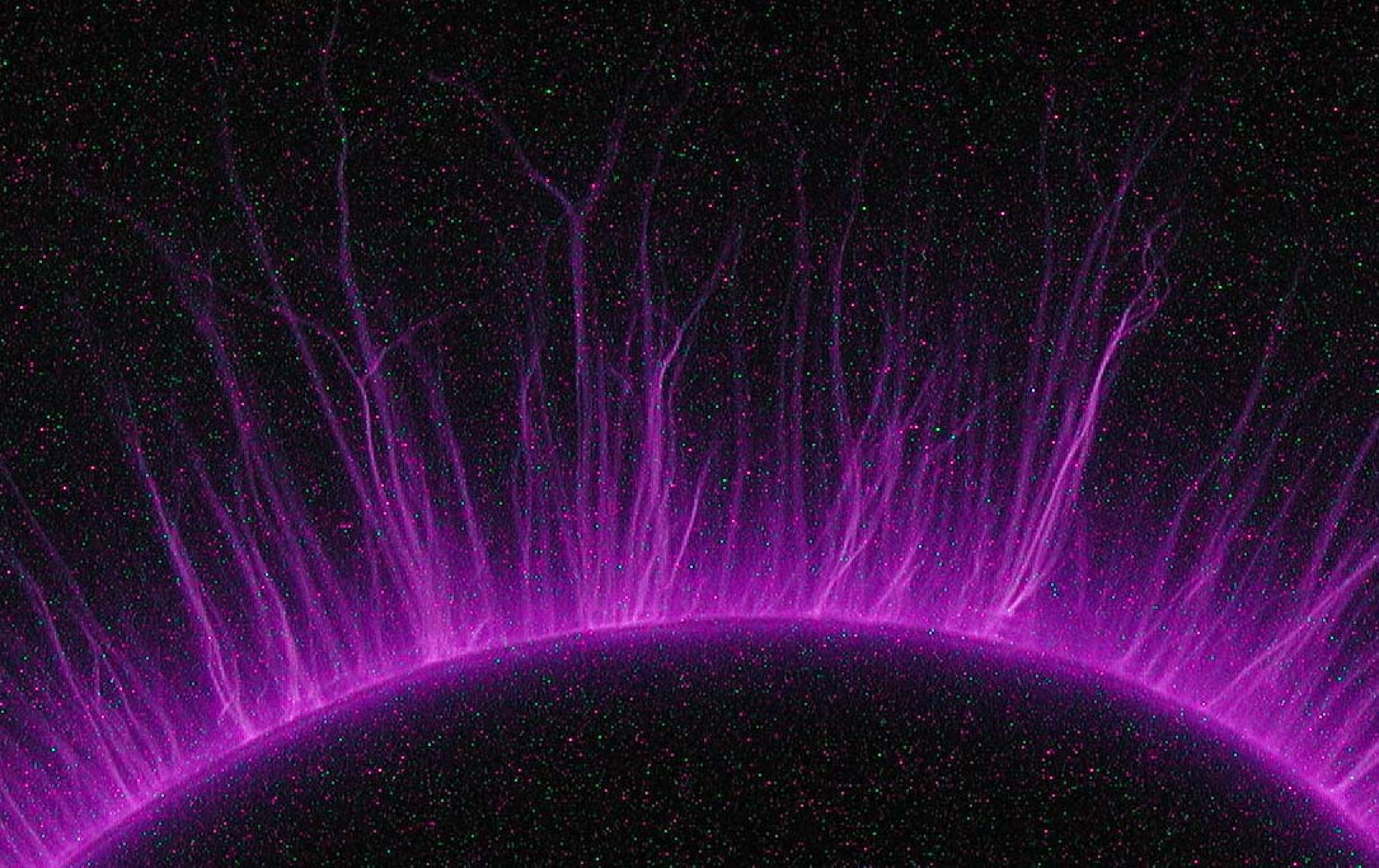


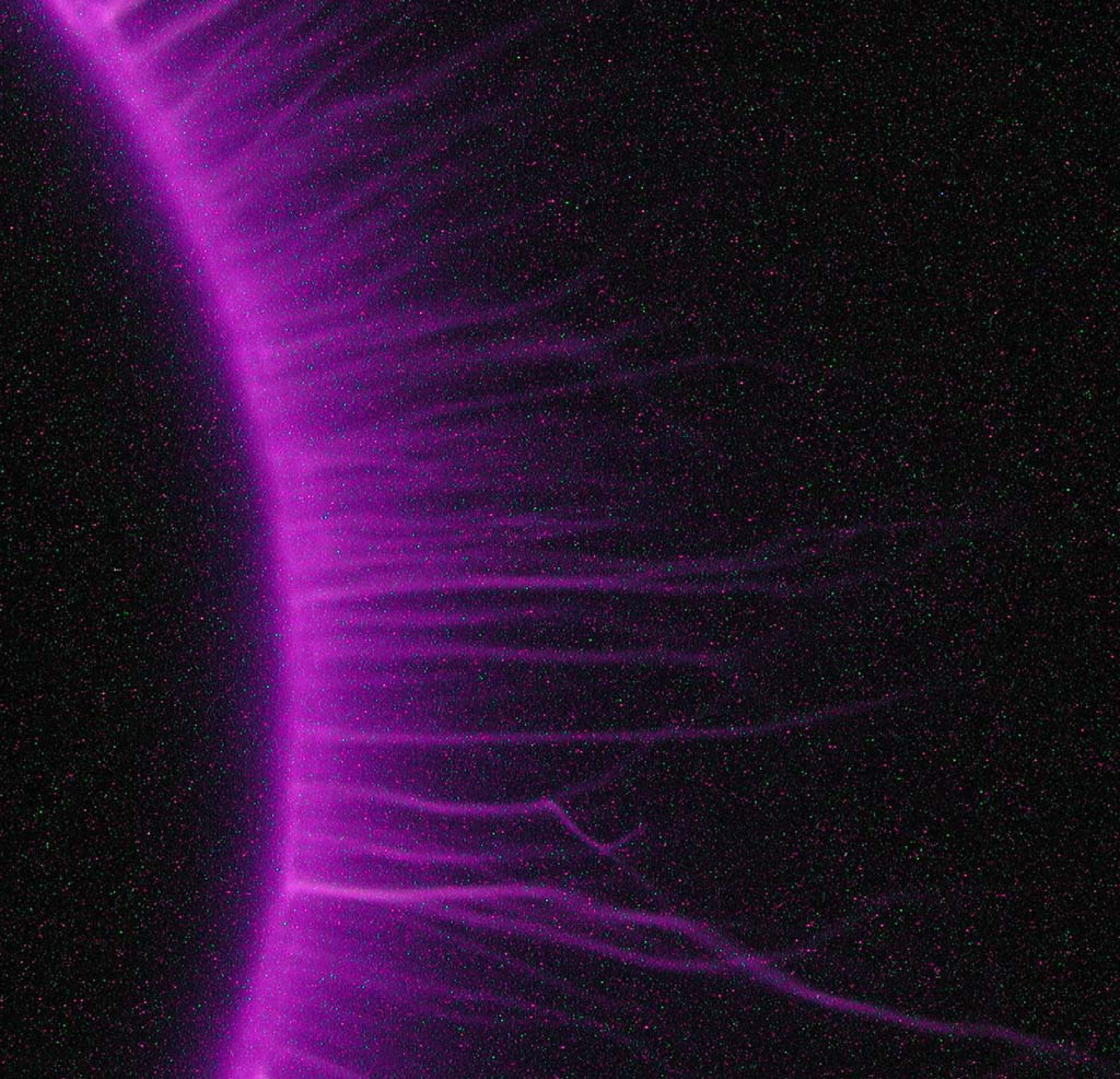


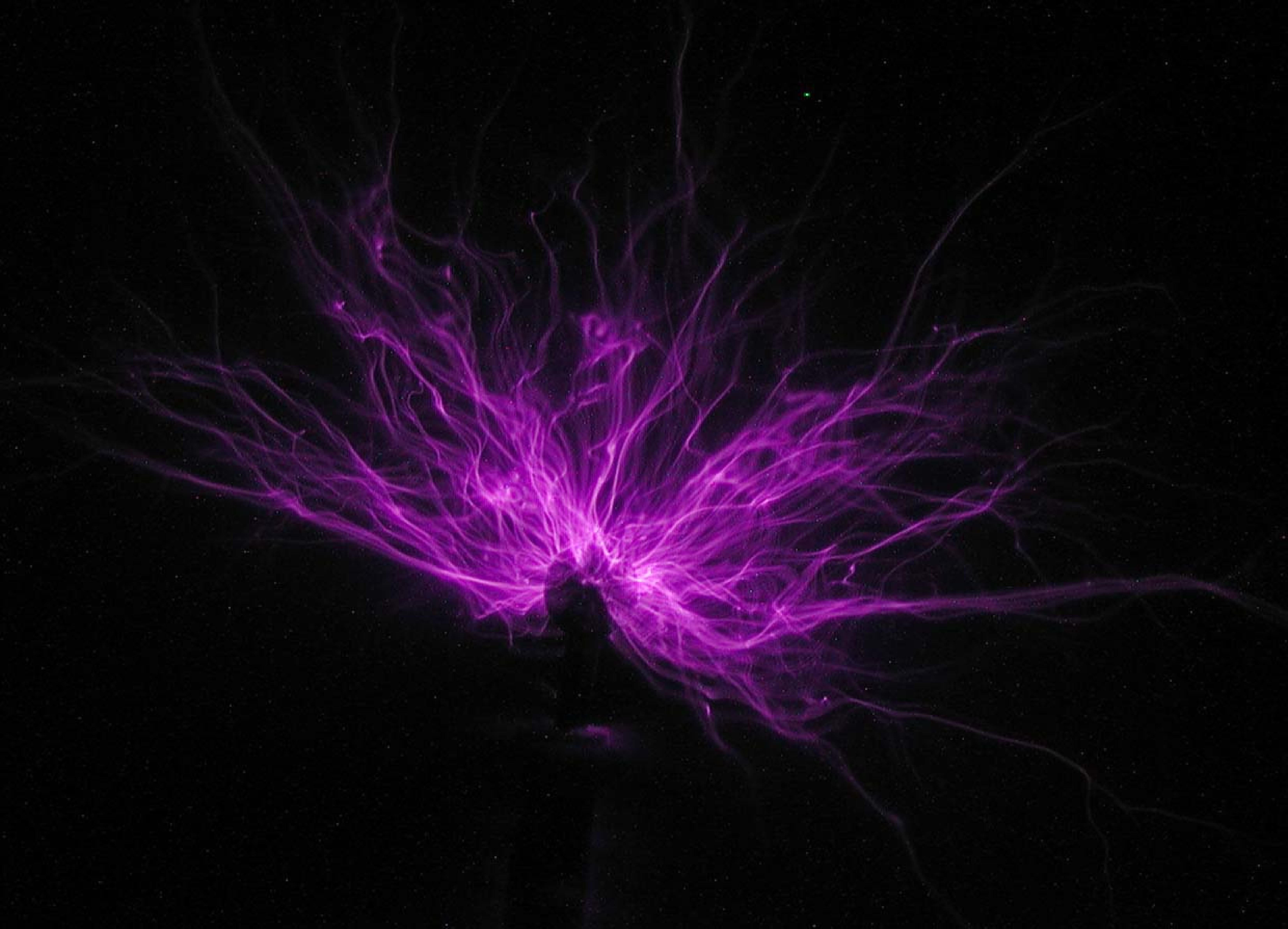


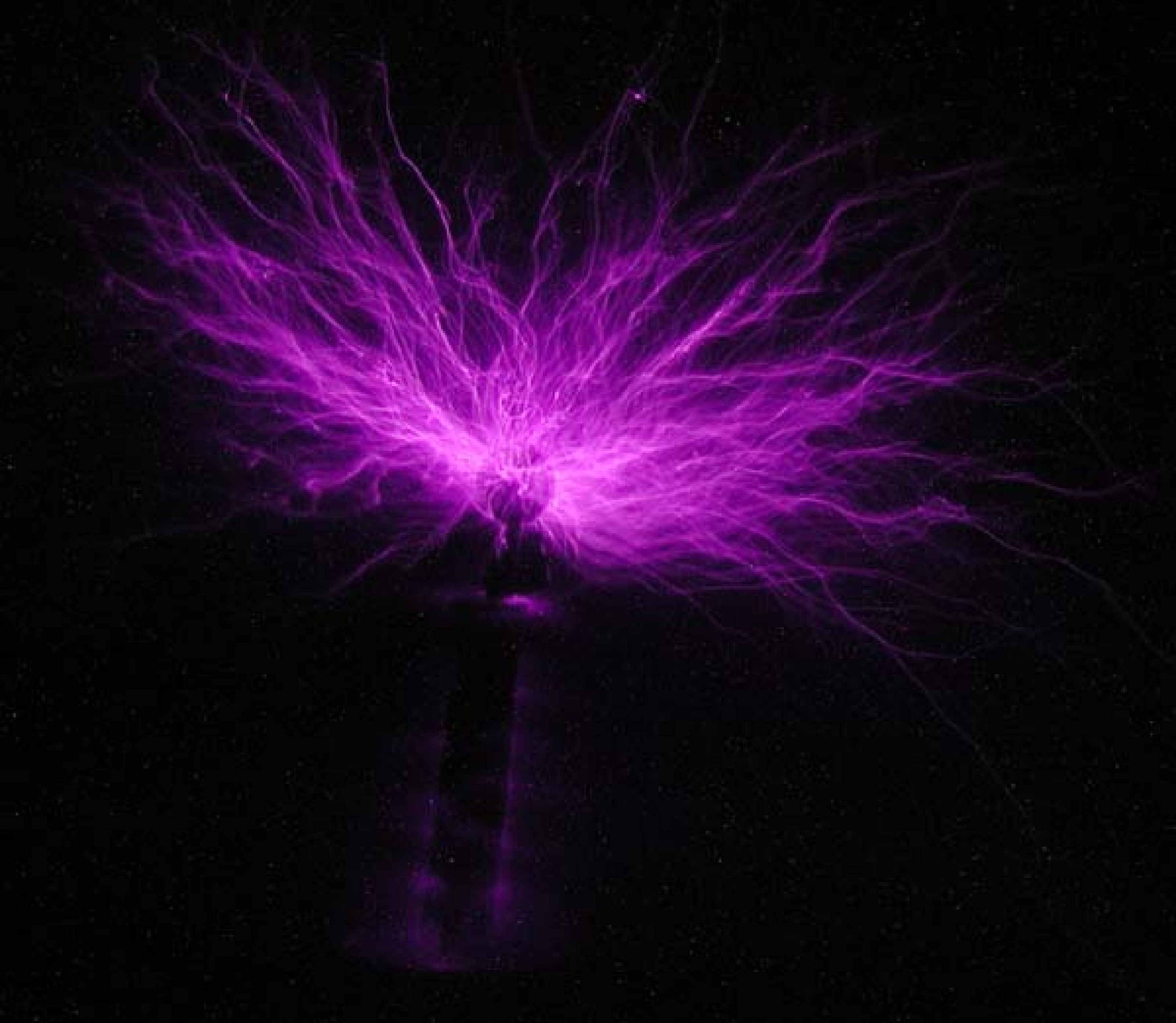


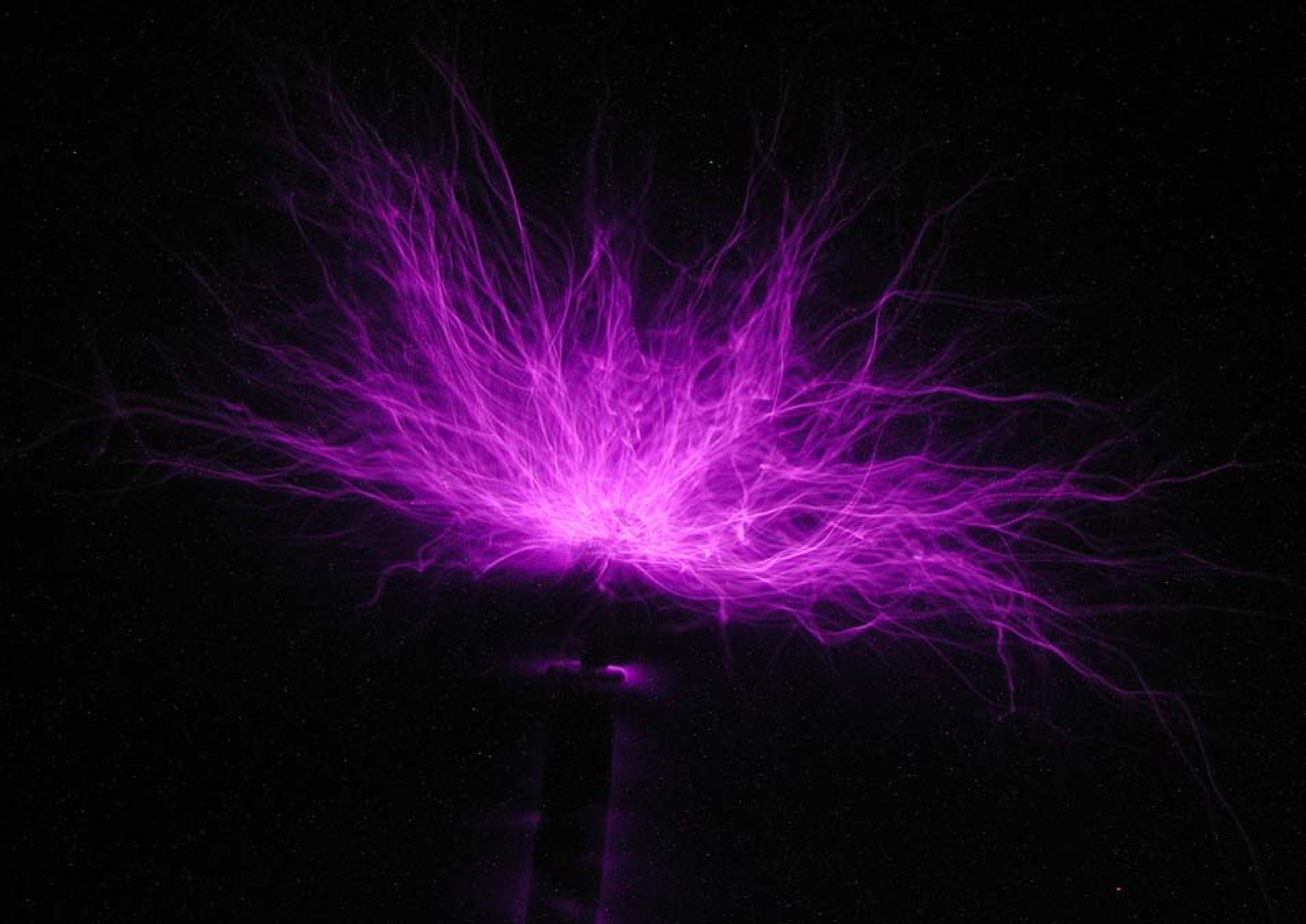


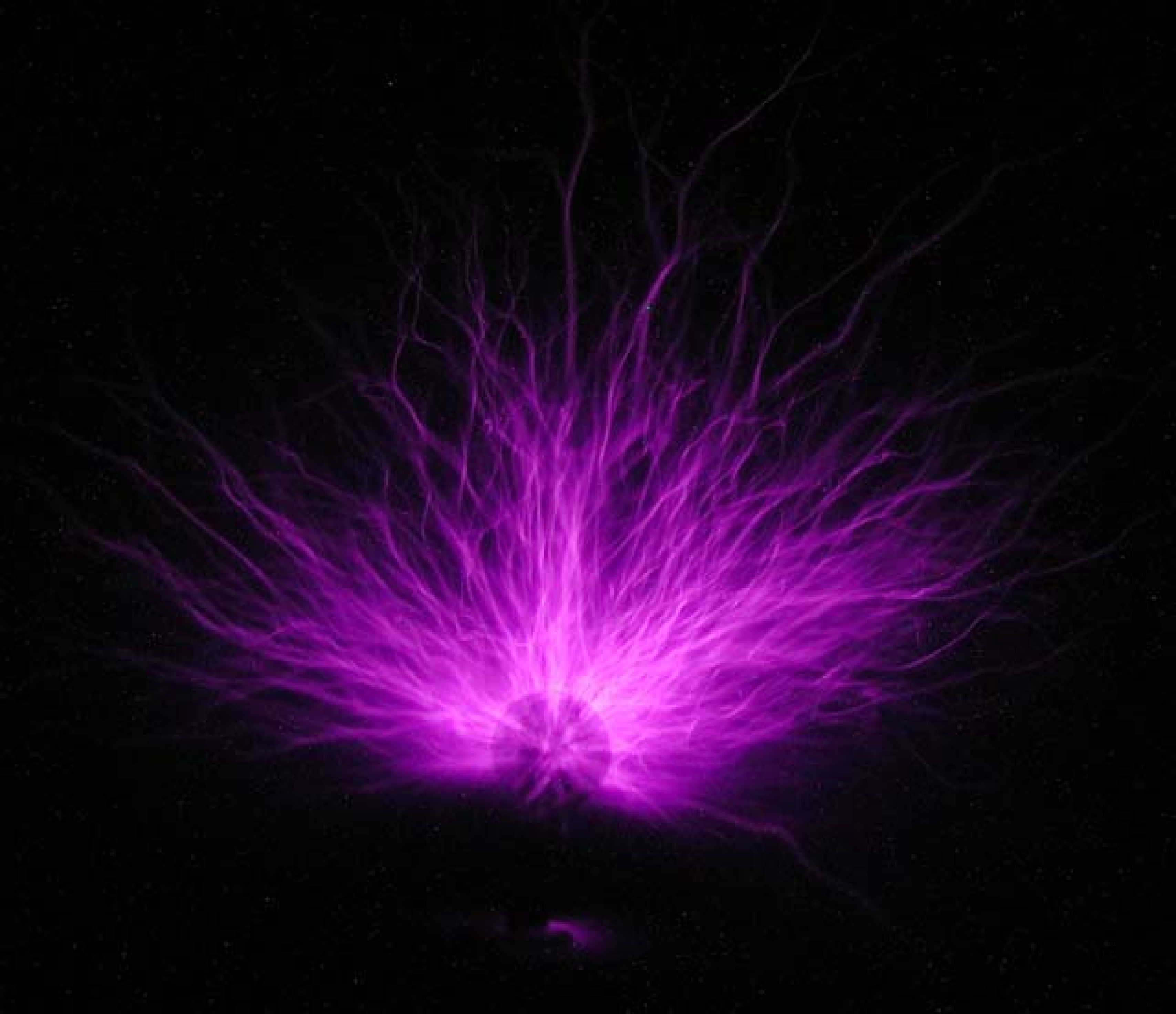


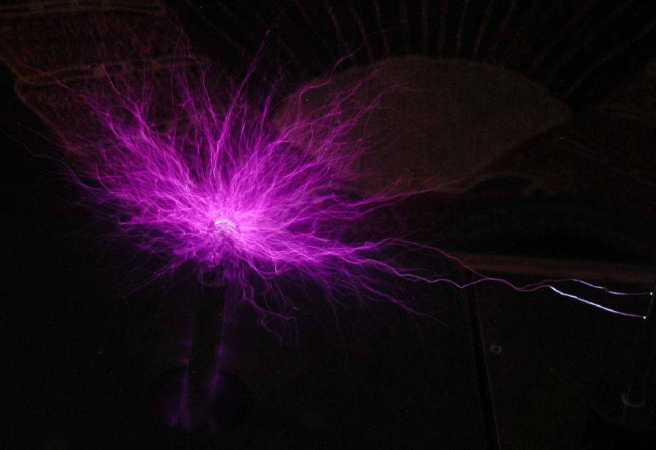


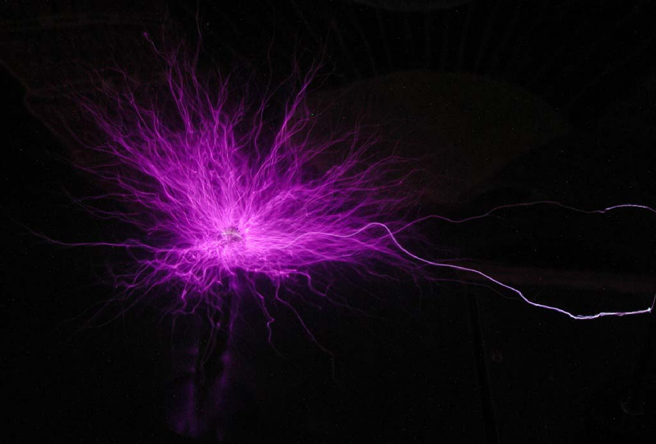


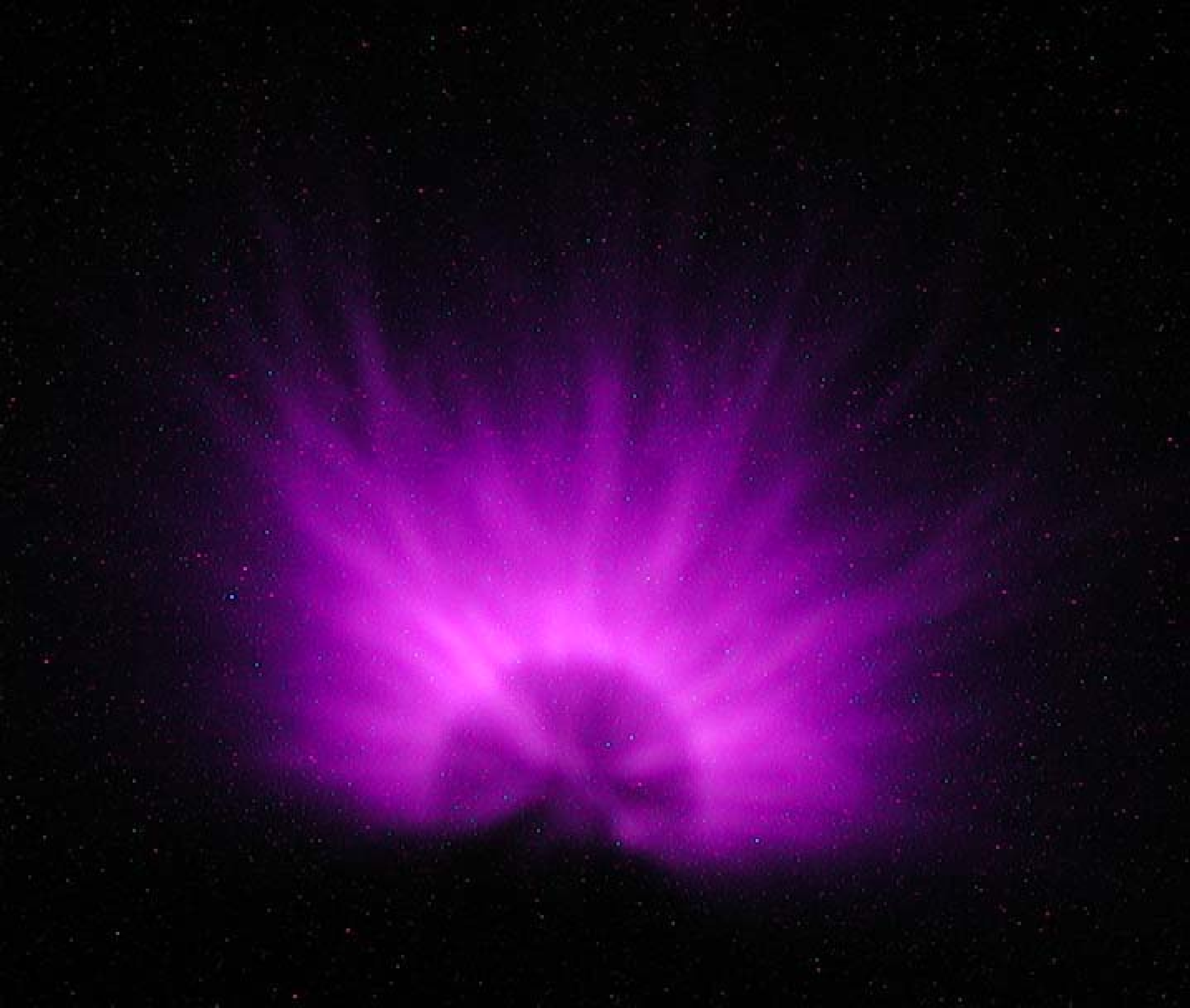


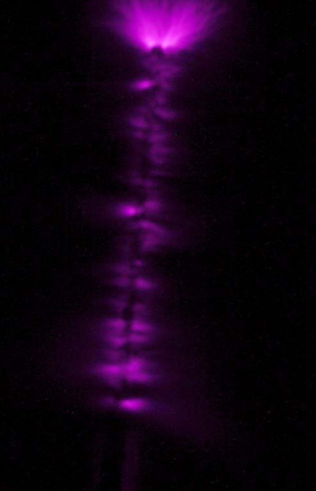


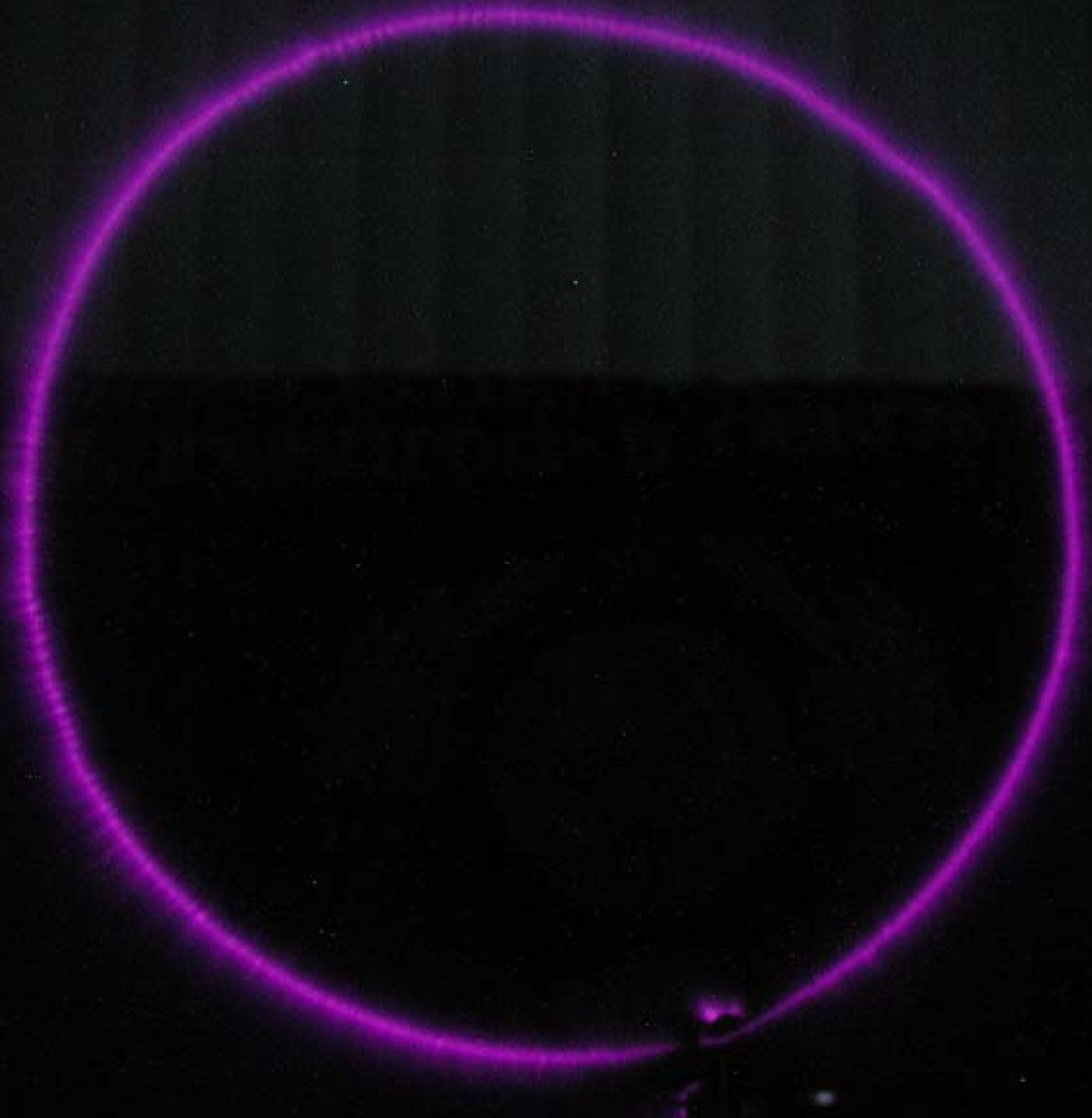


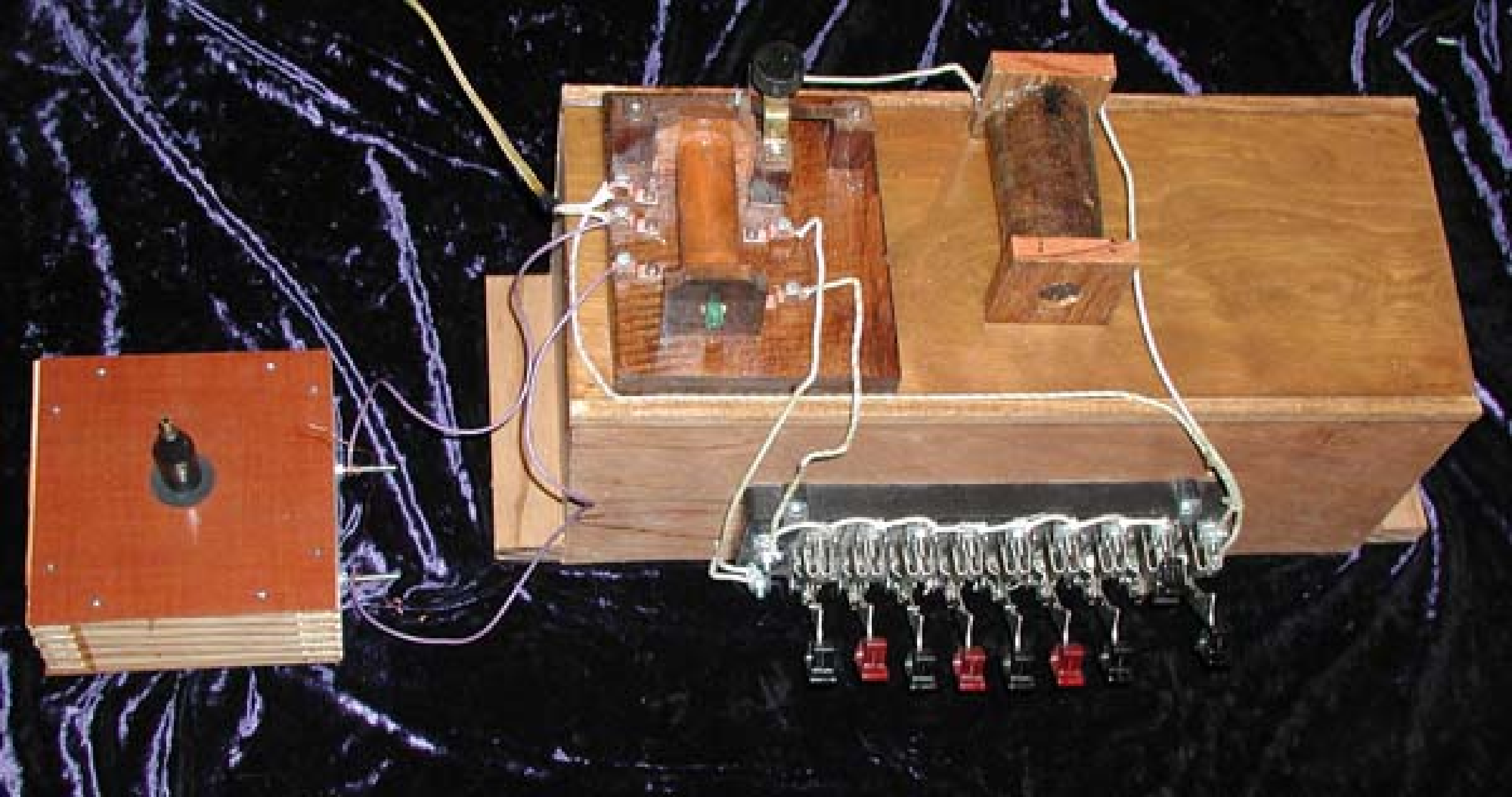


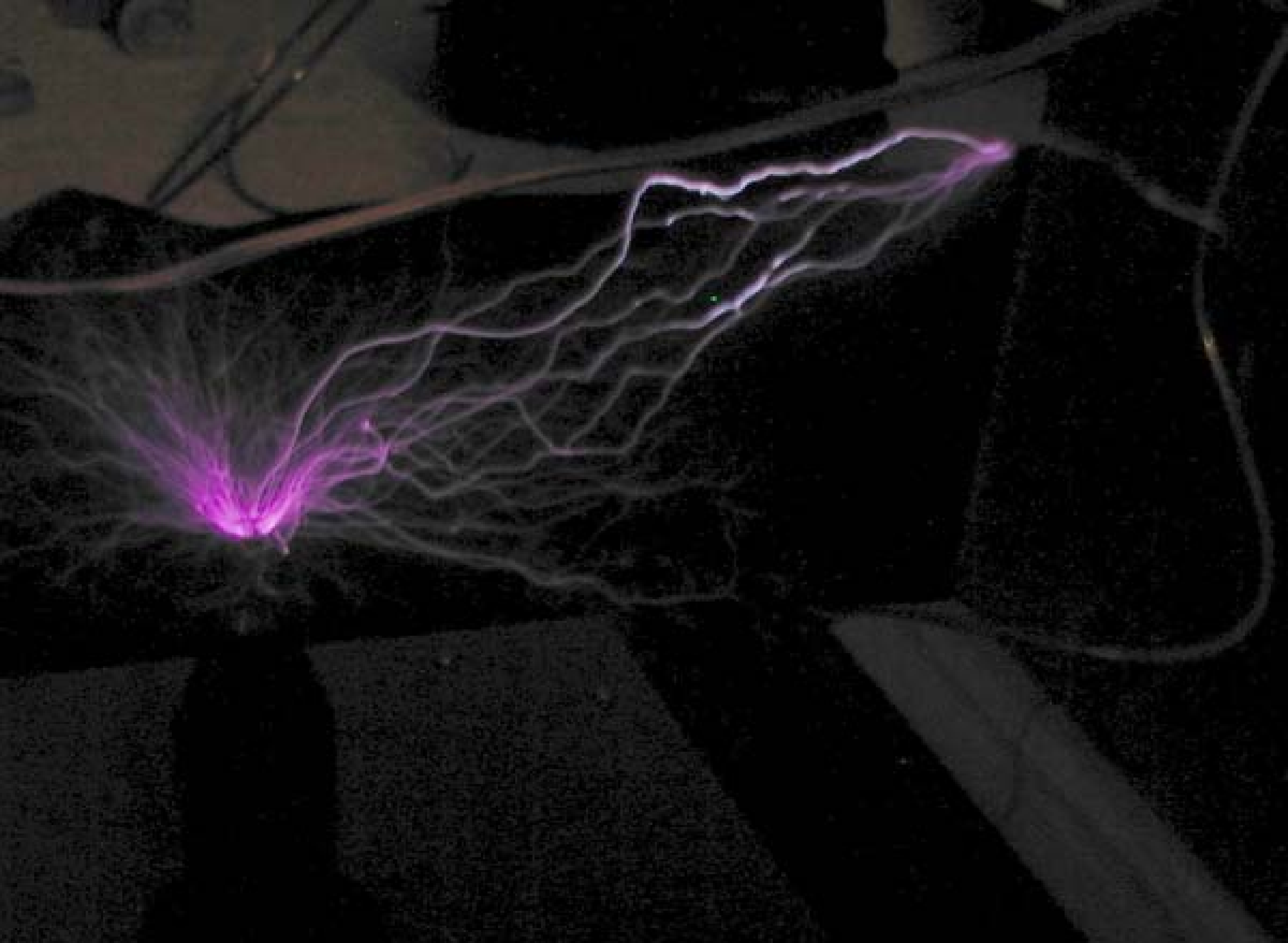


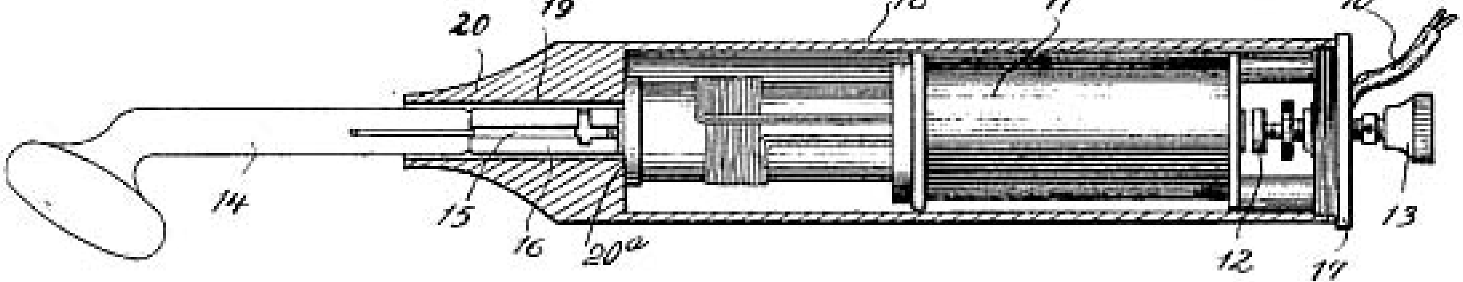


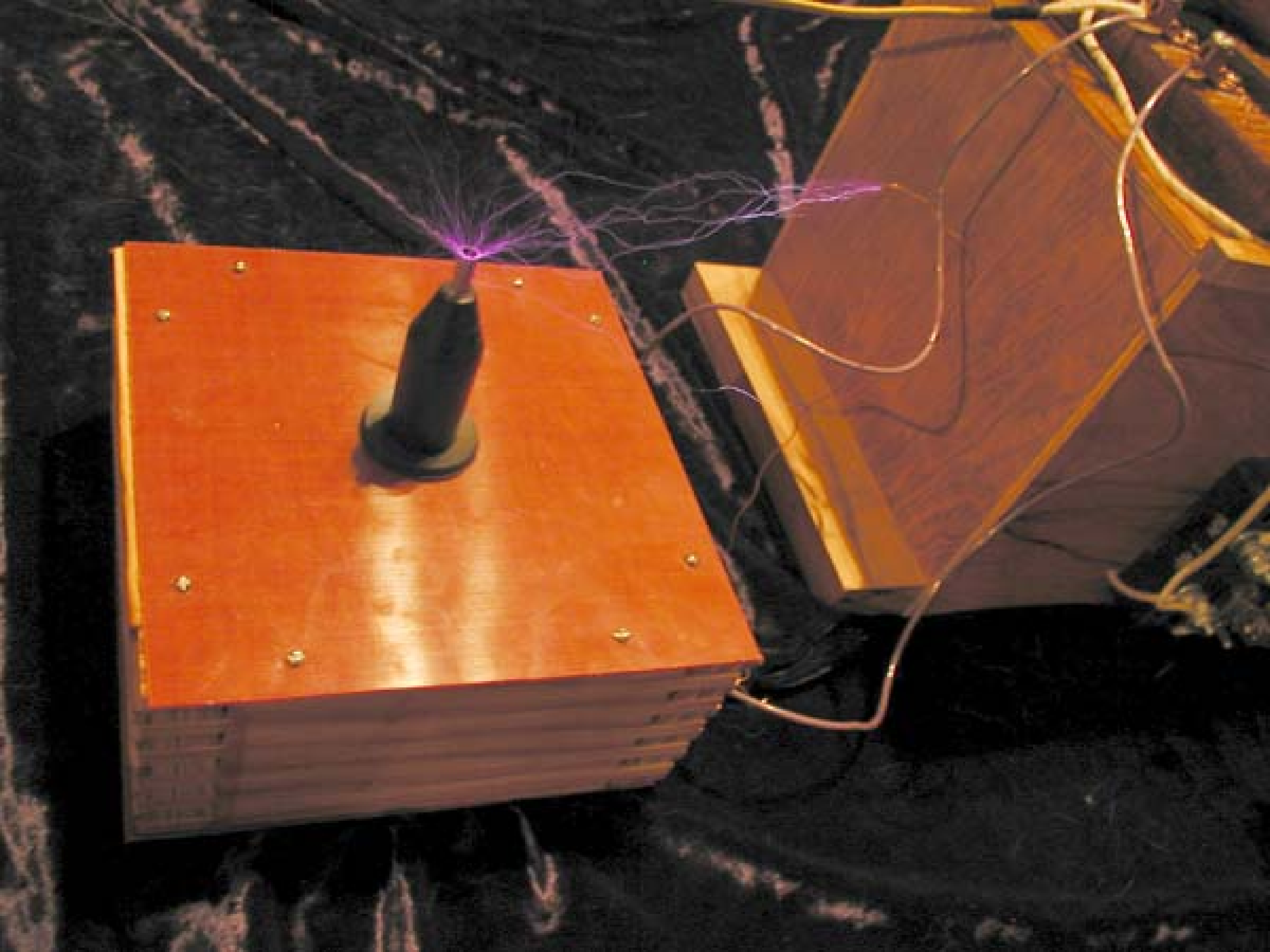


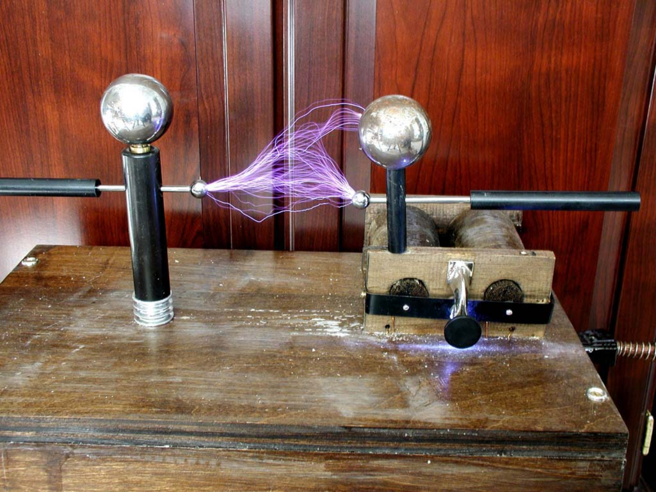


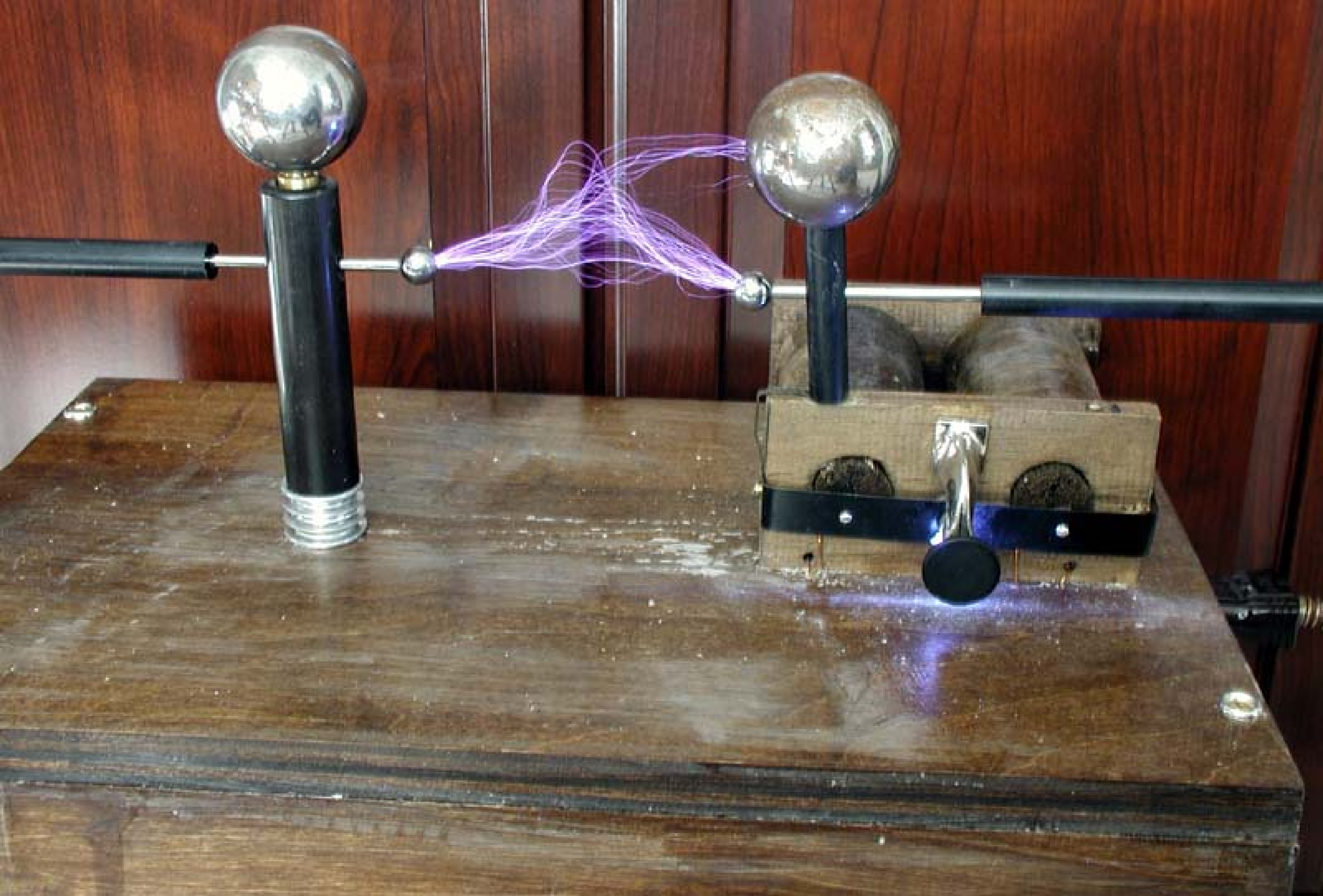


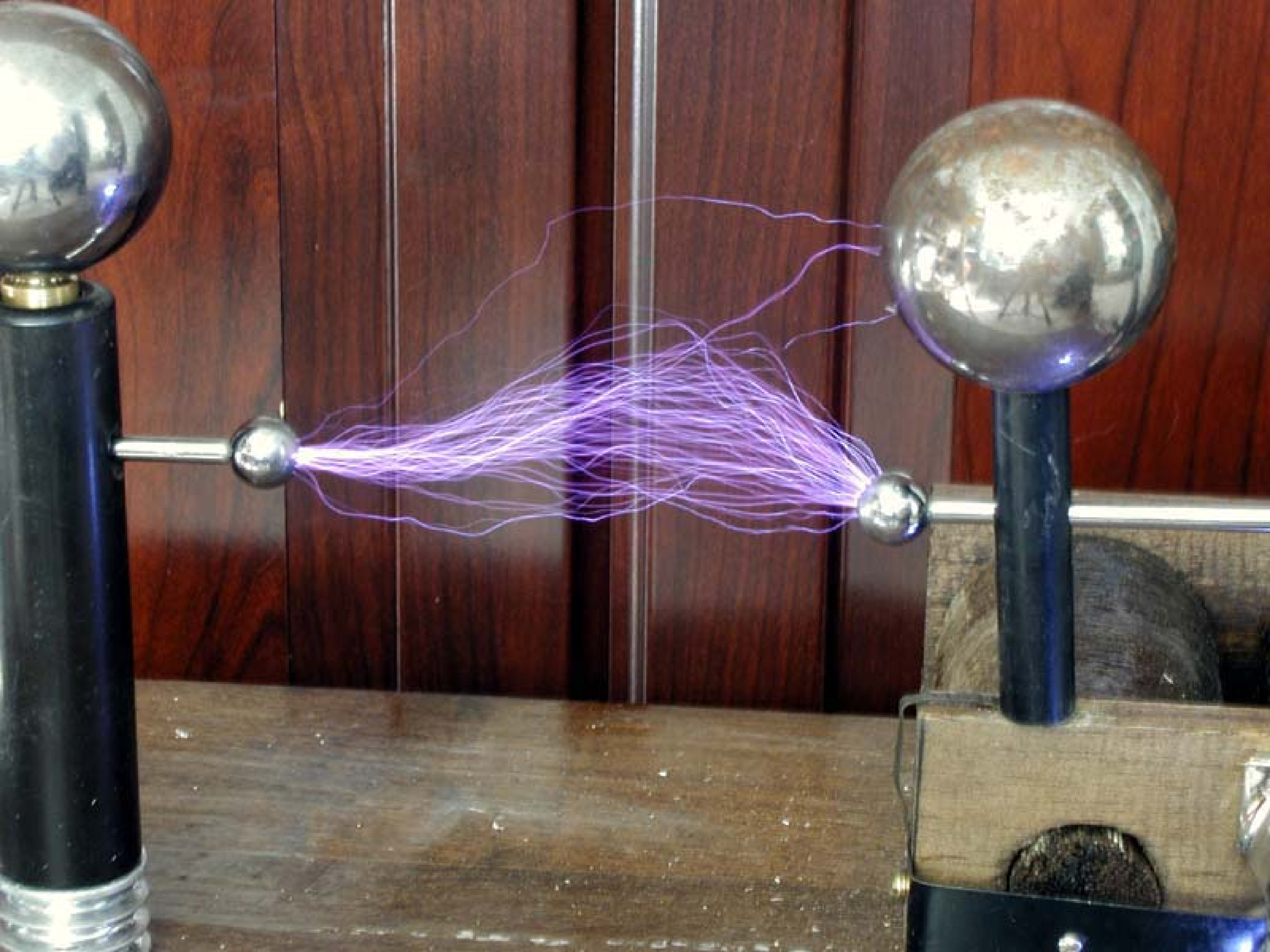


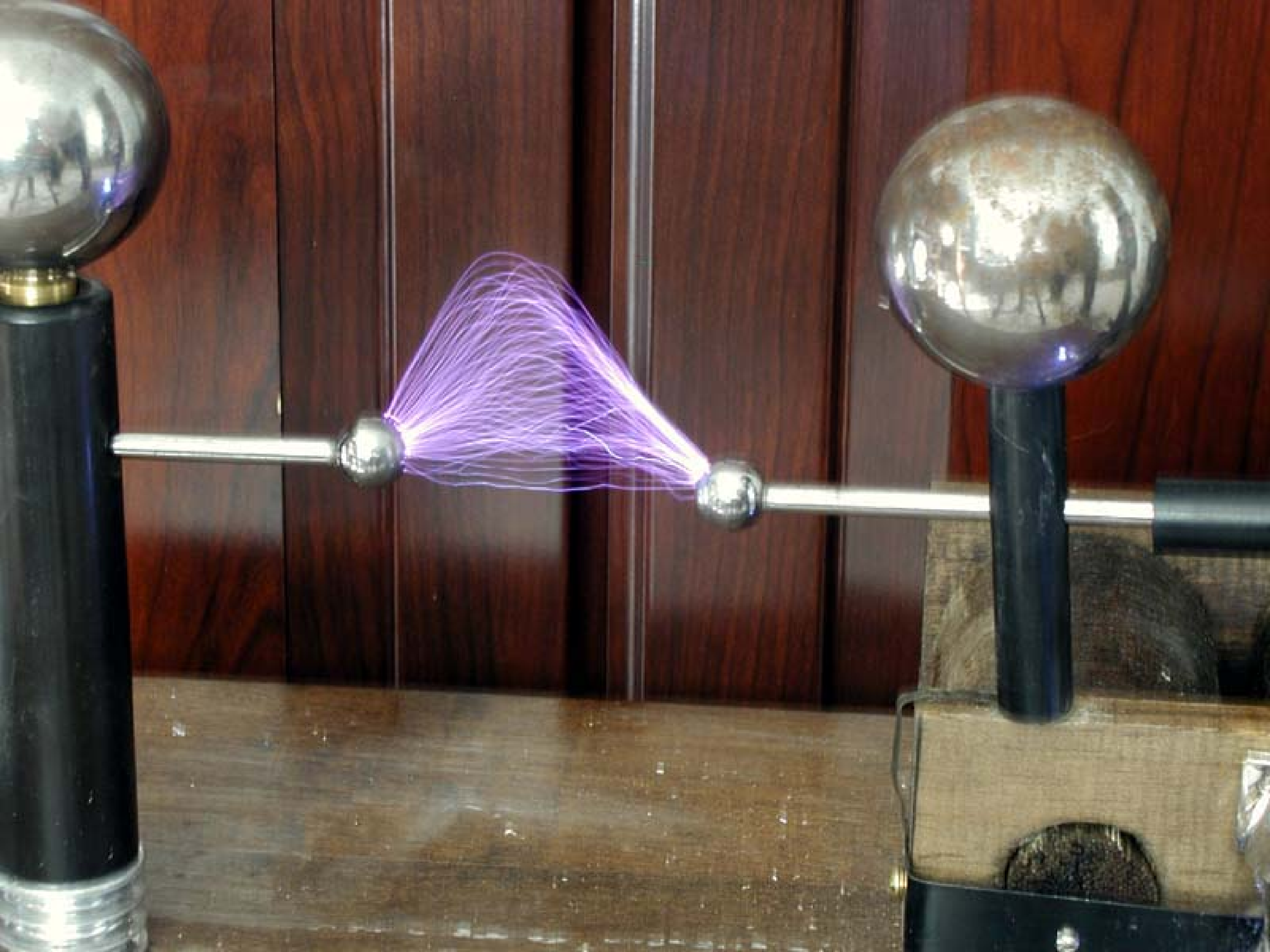


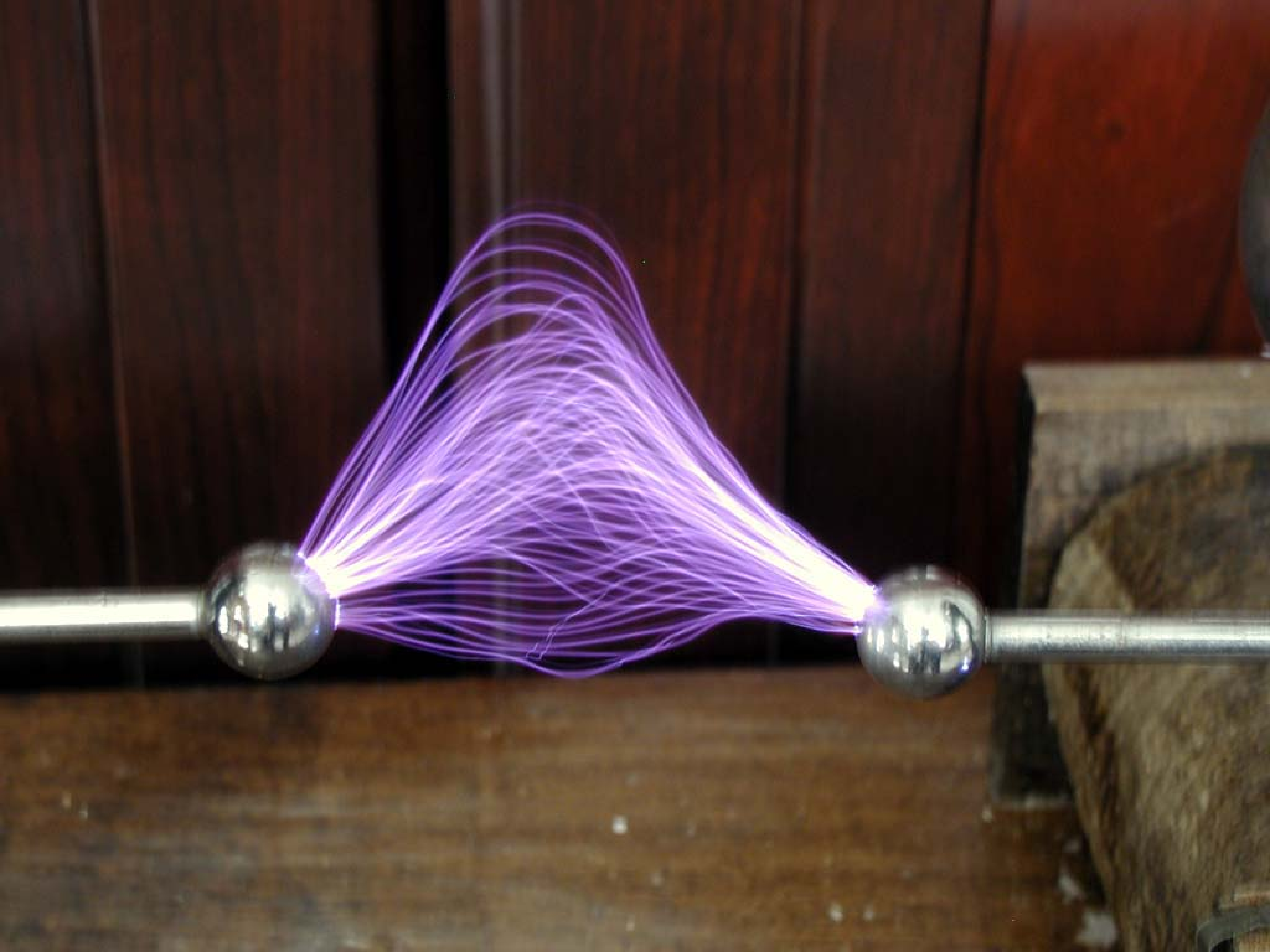


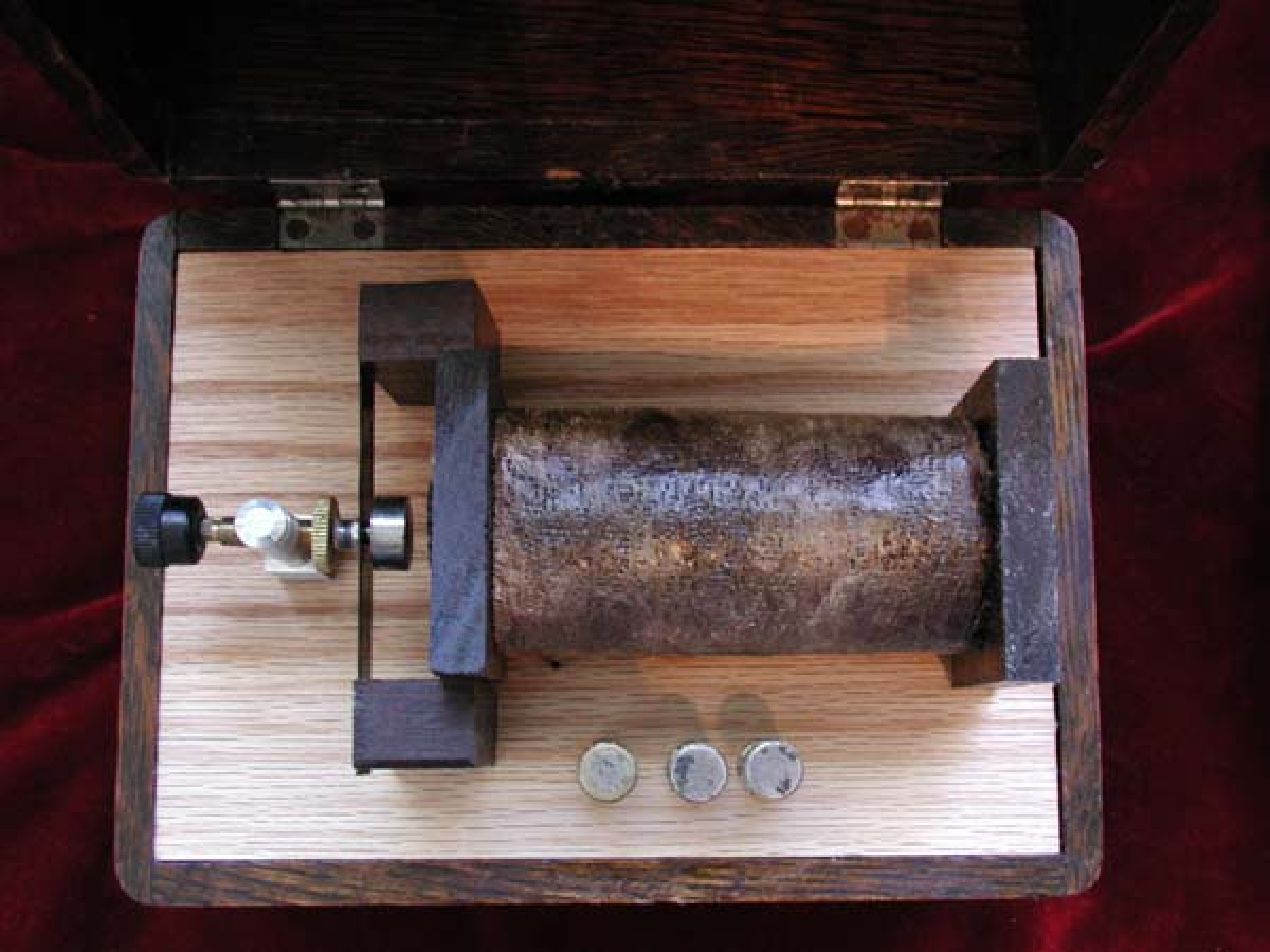


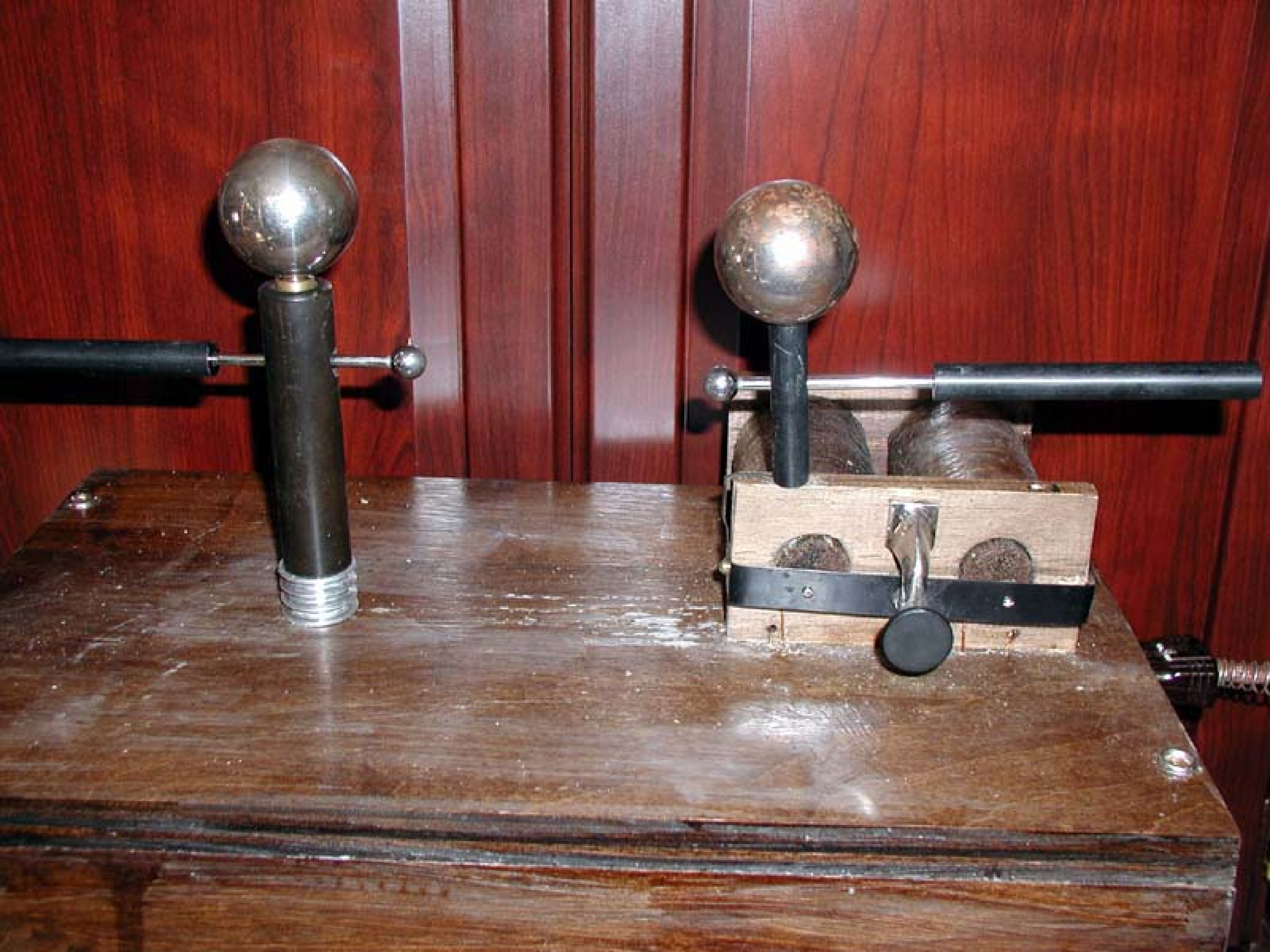


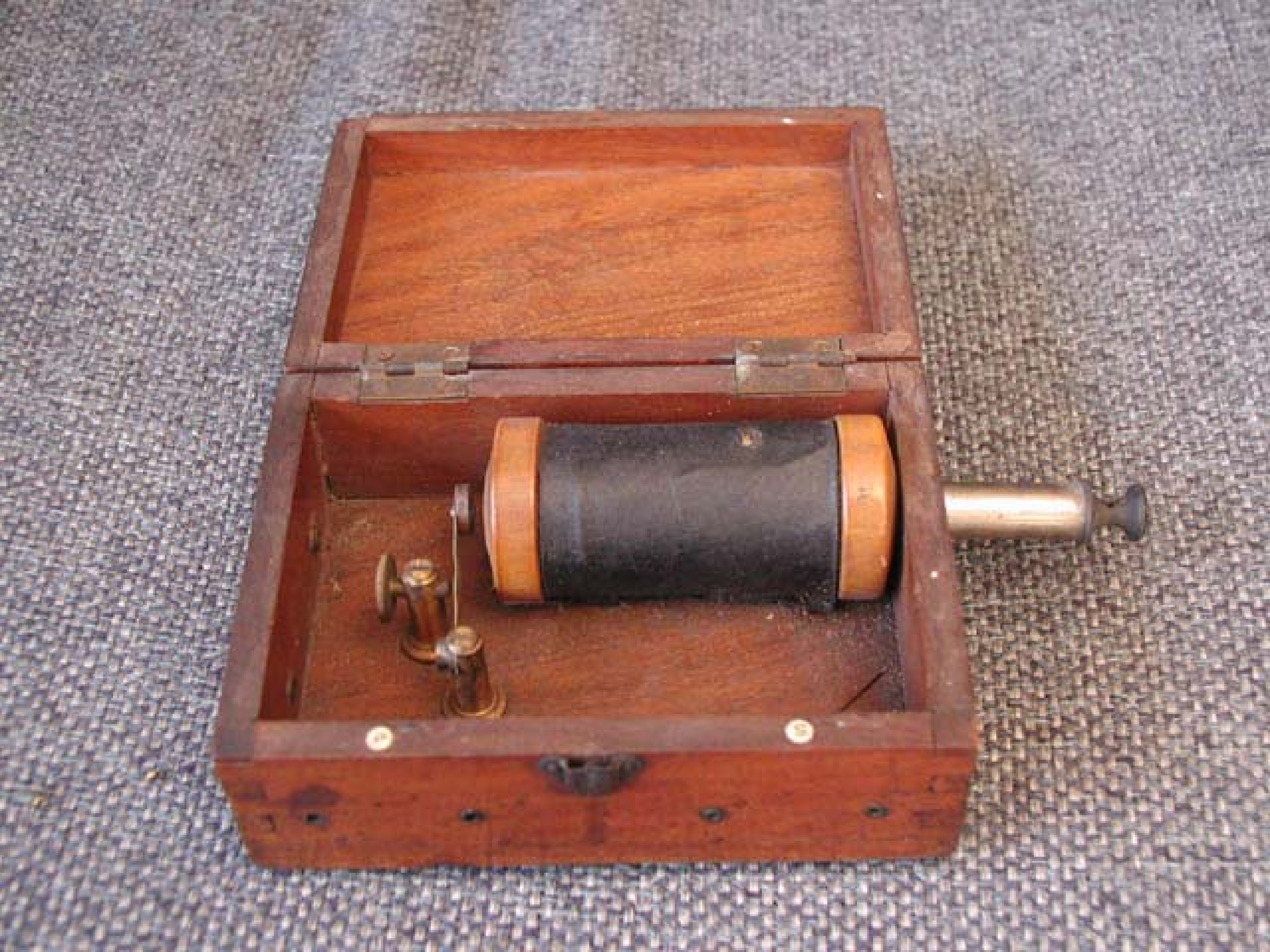


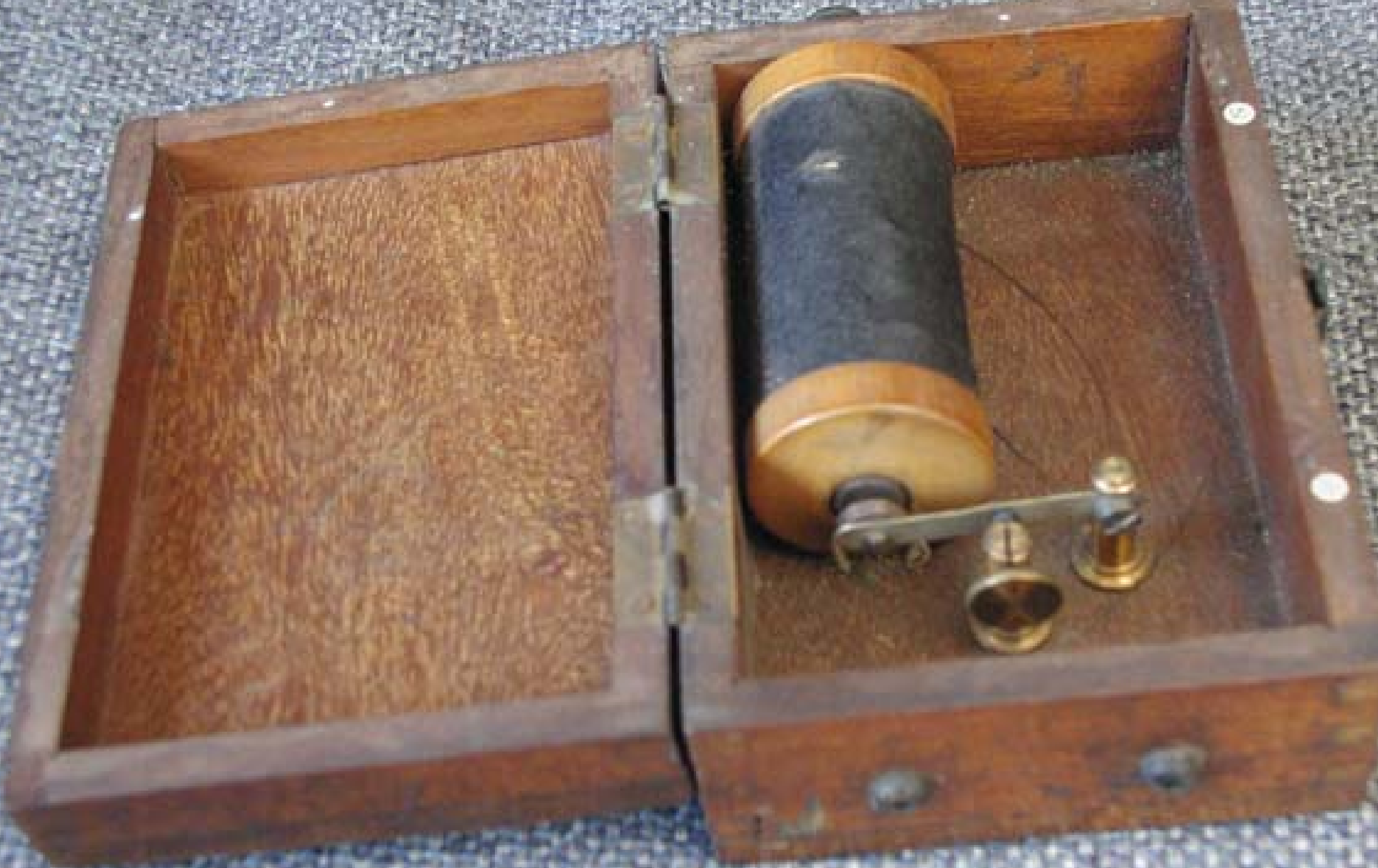


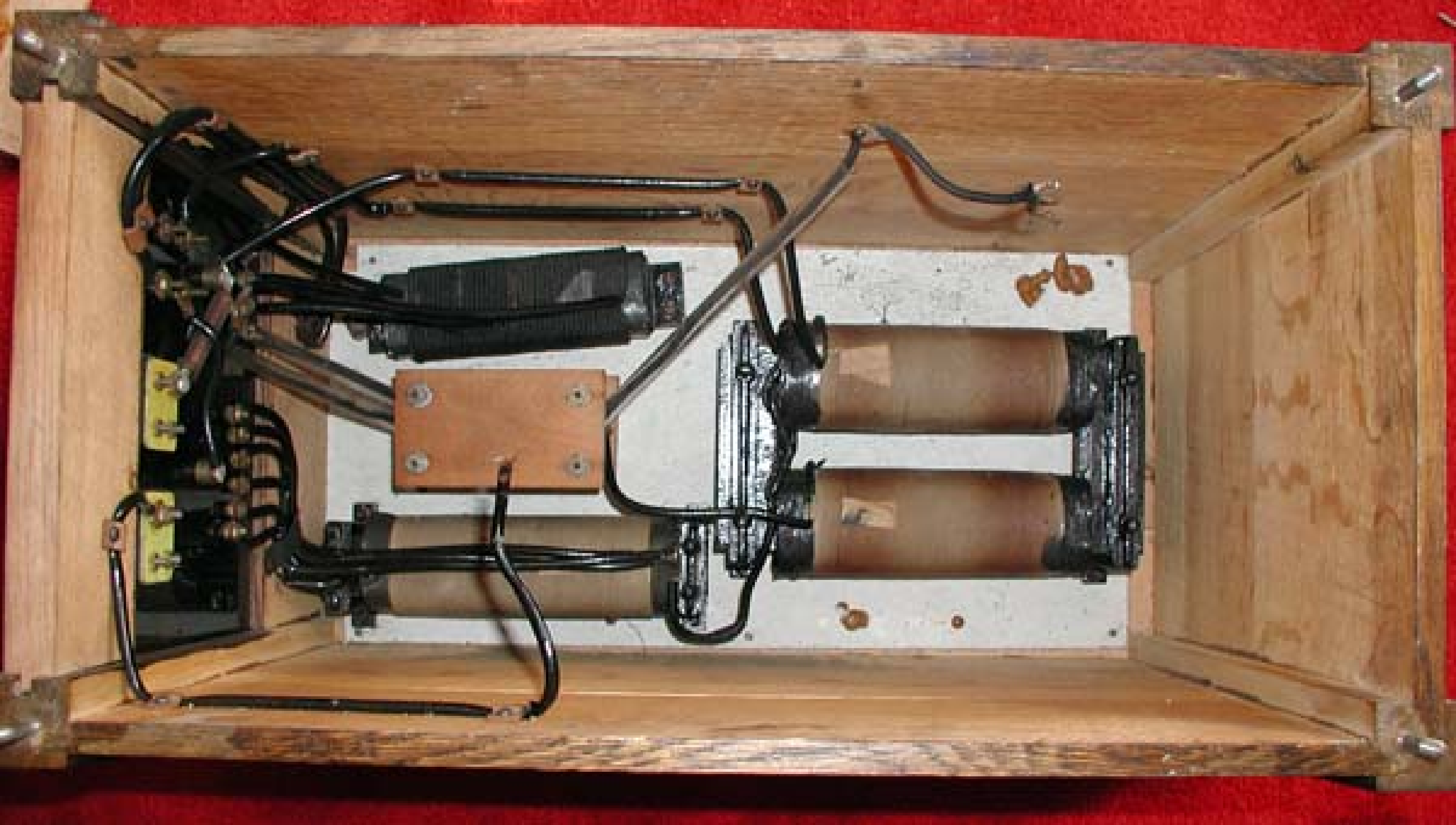


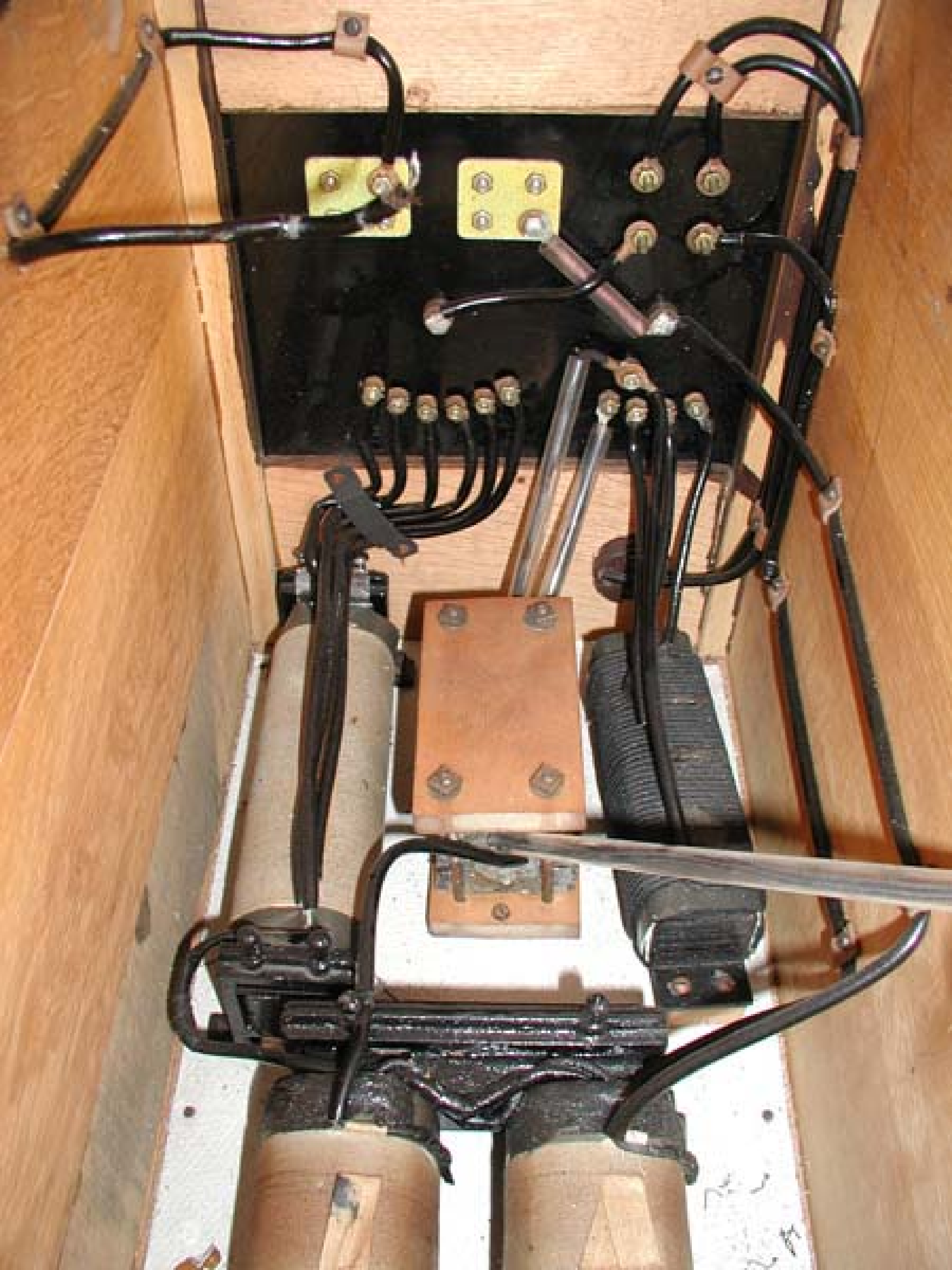


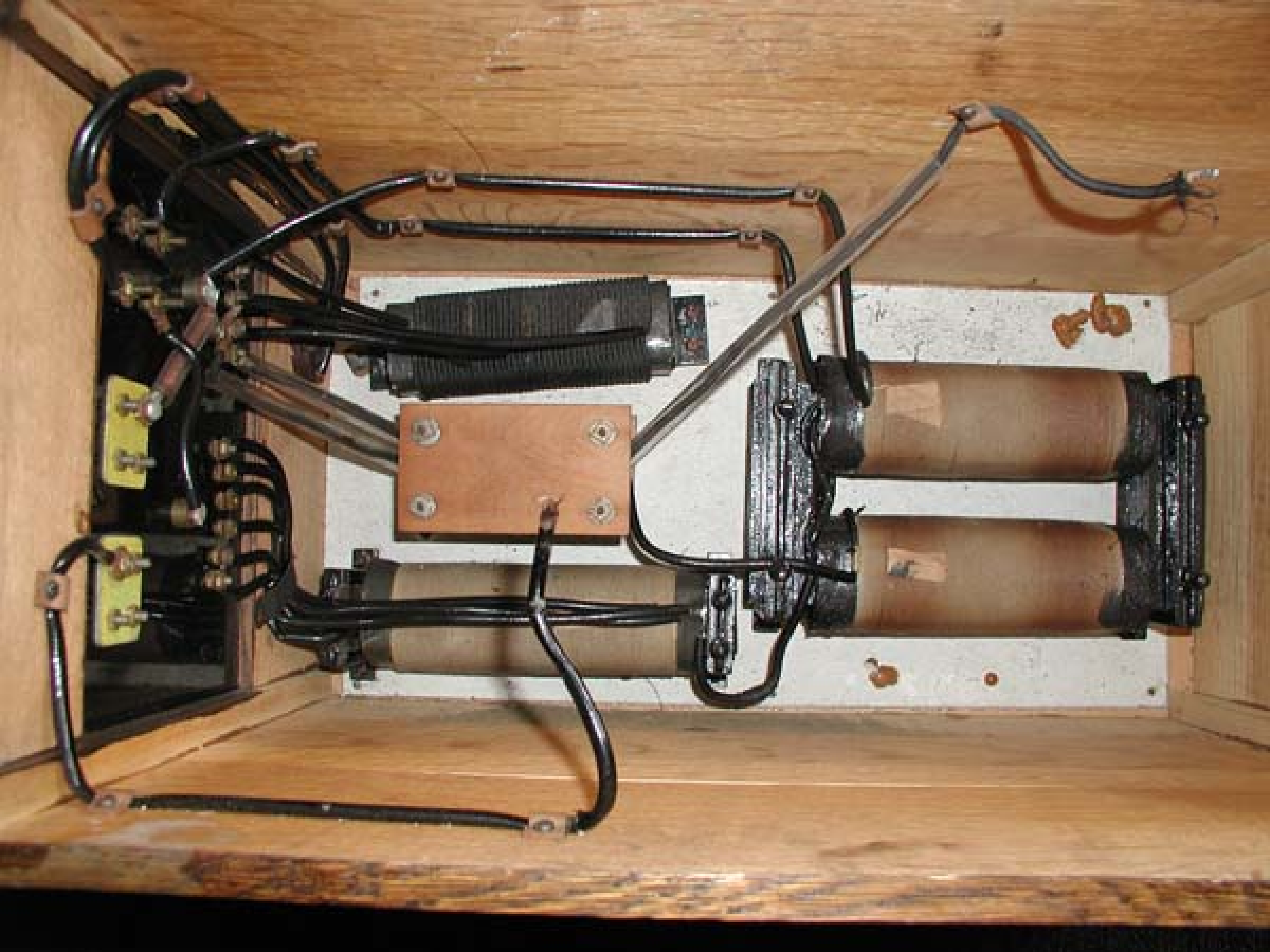


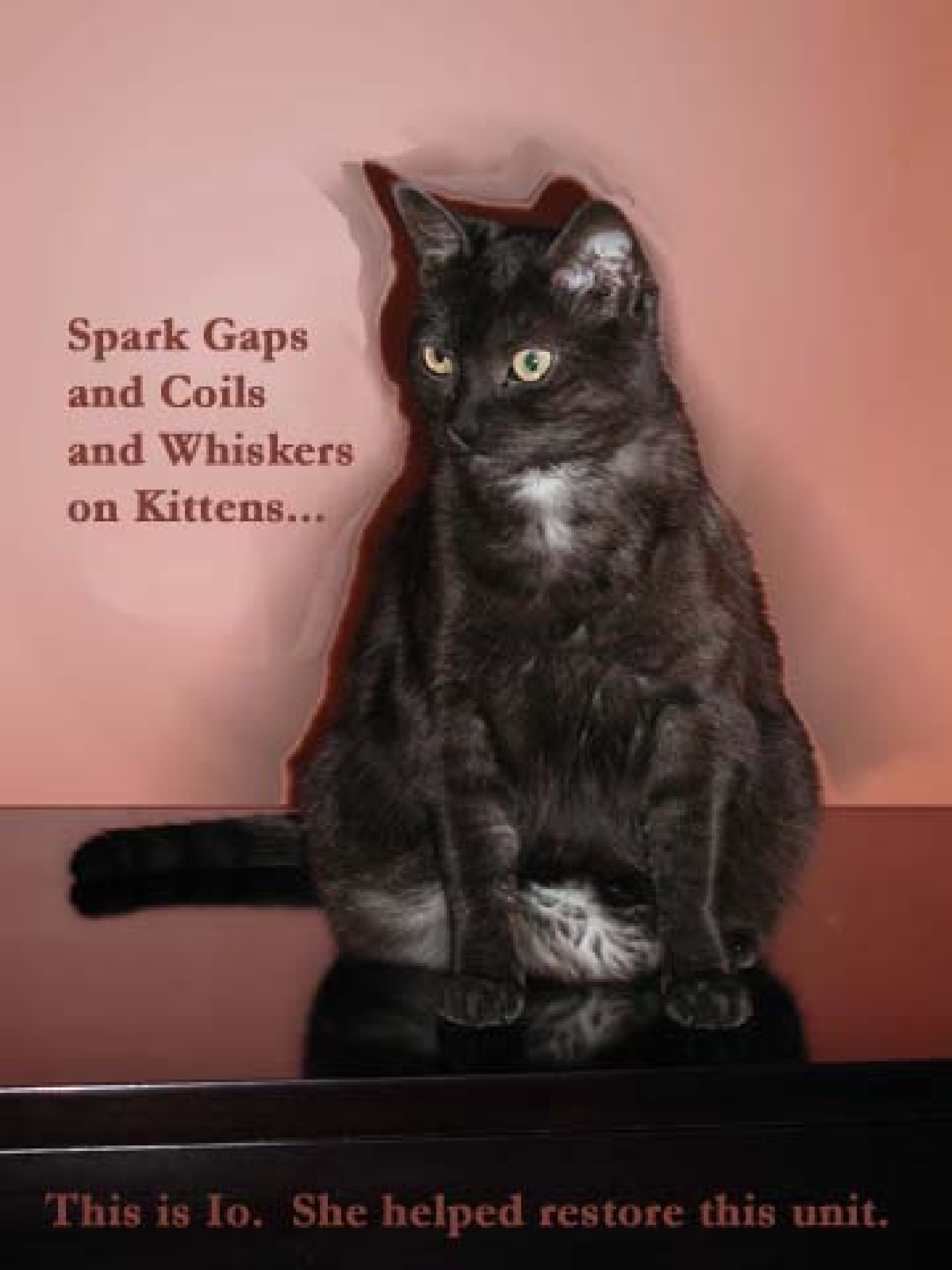






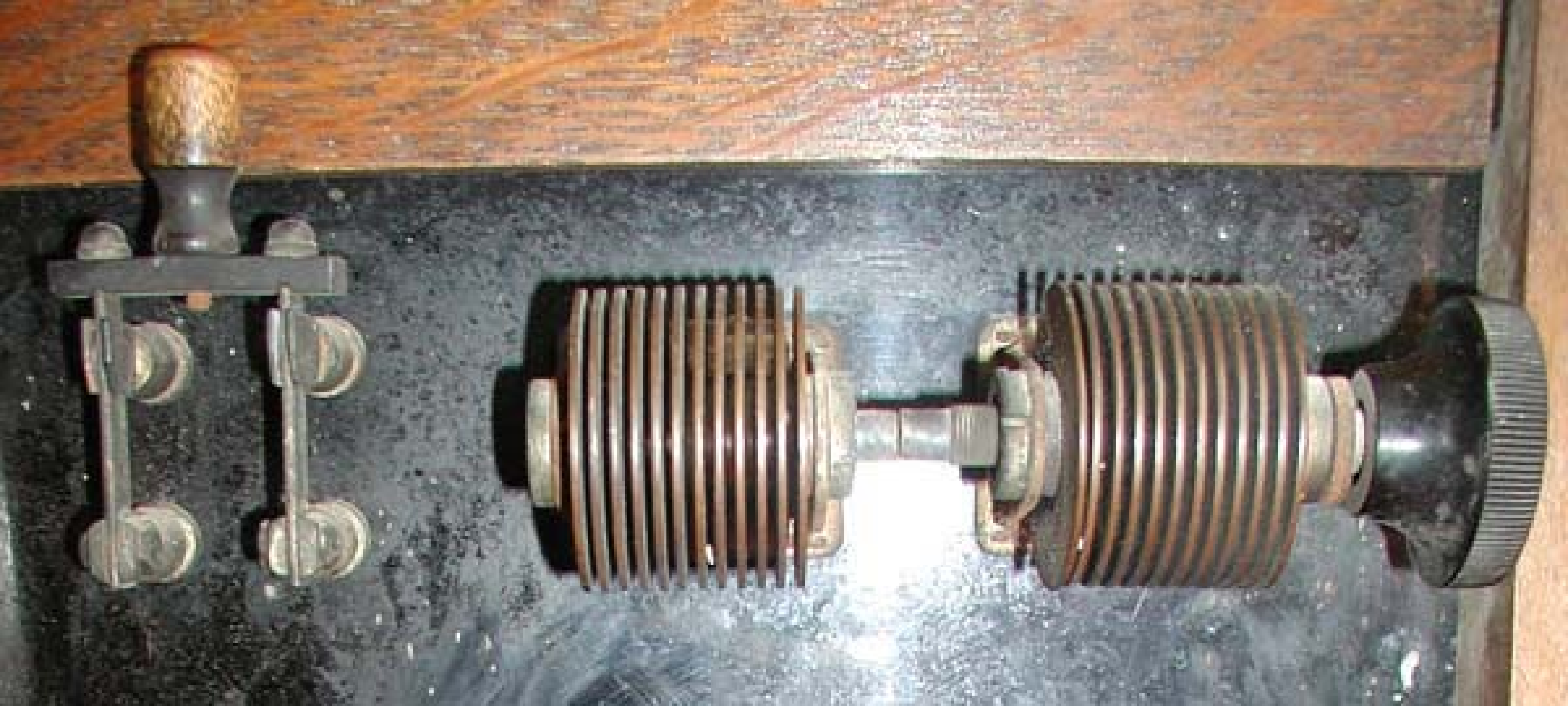


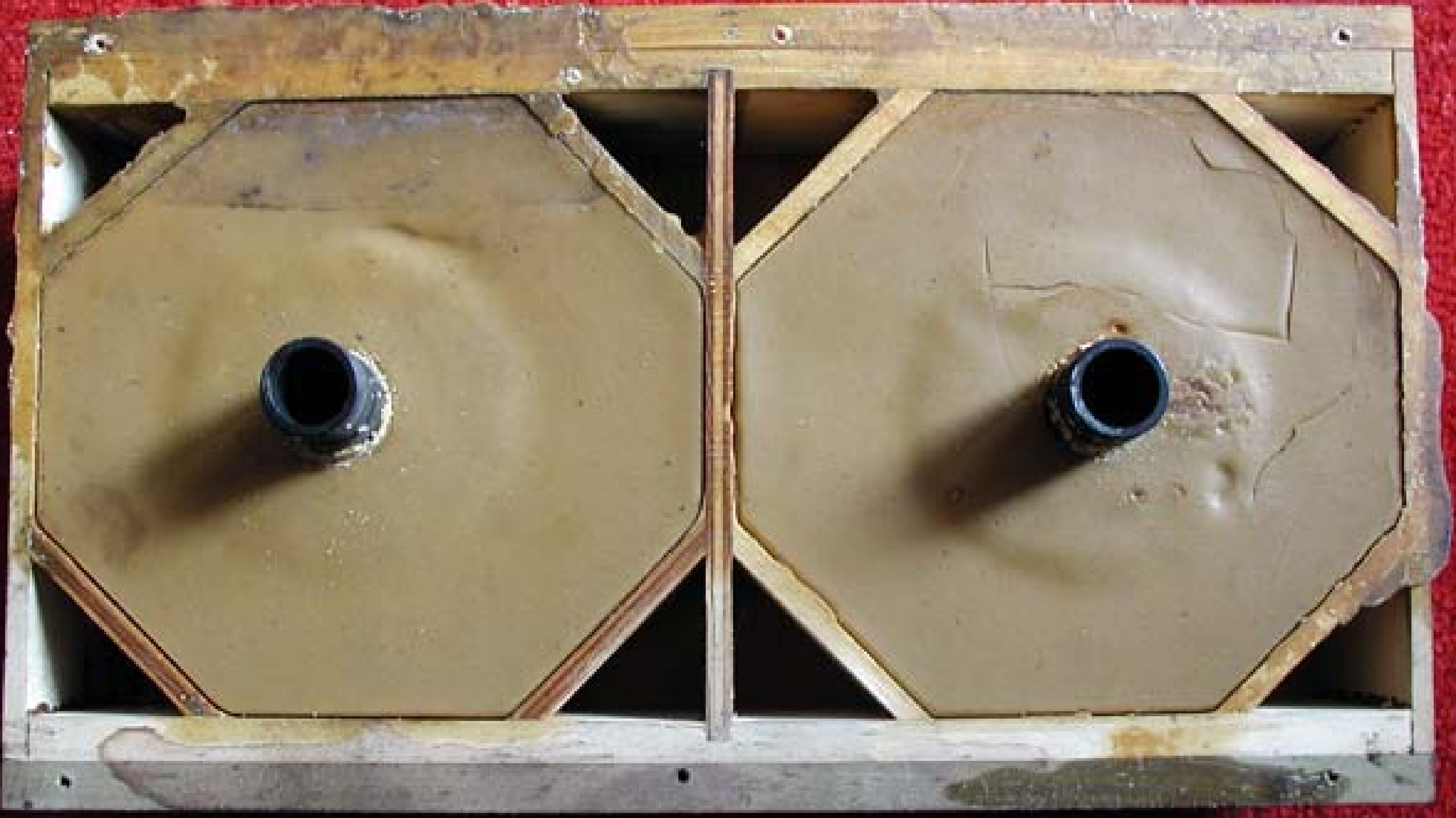


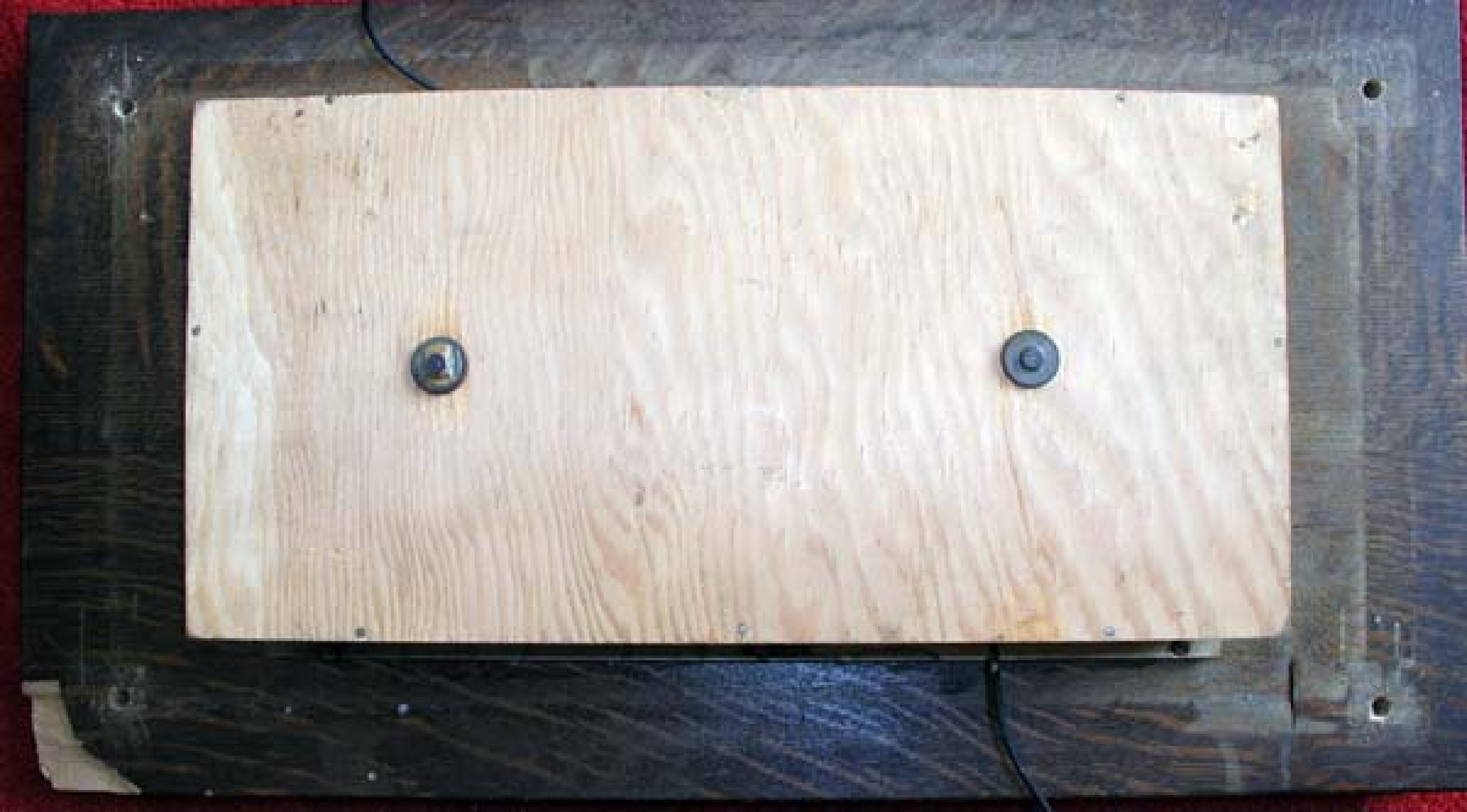


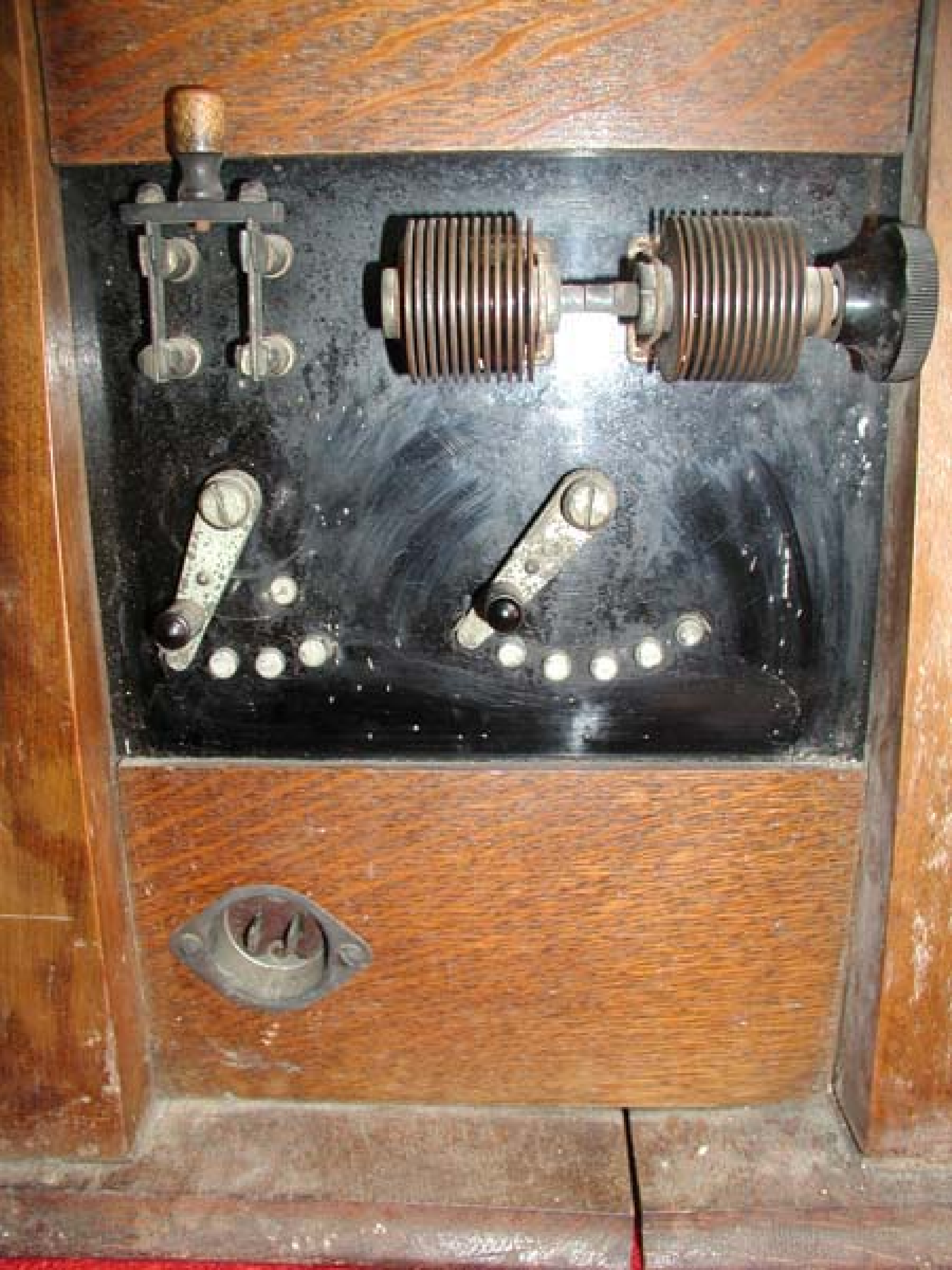
Spark Gaps
and Coils
and Whiskers
on Kittens...

This is Io. She helped restore this unit.



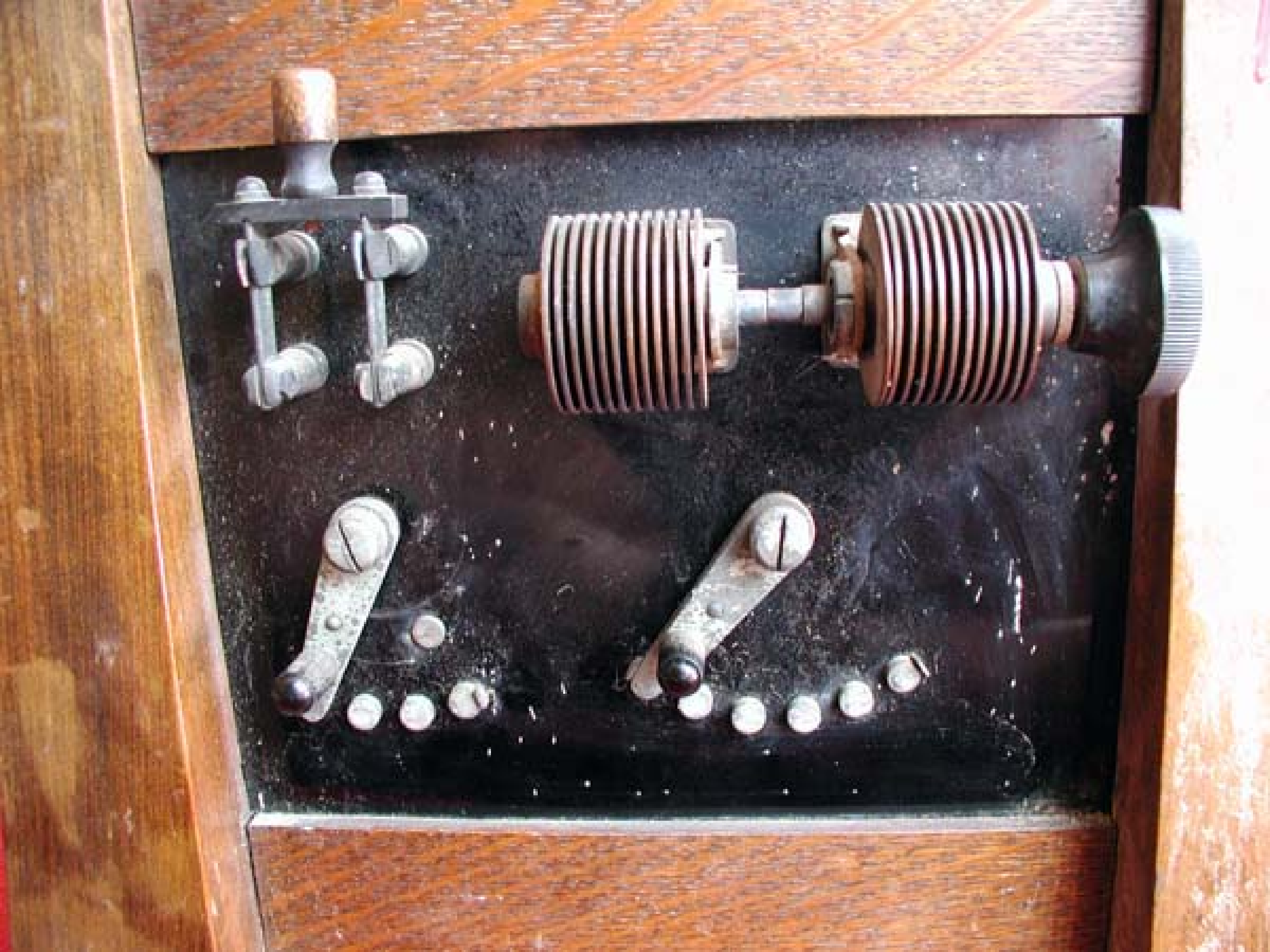


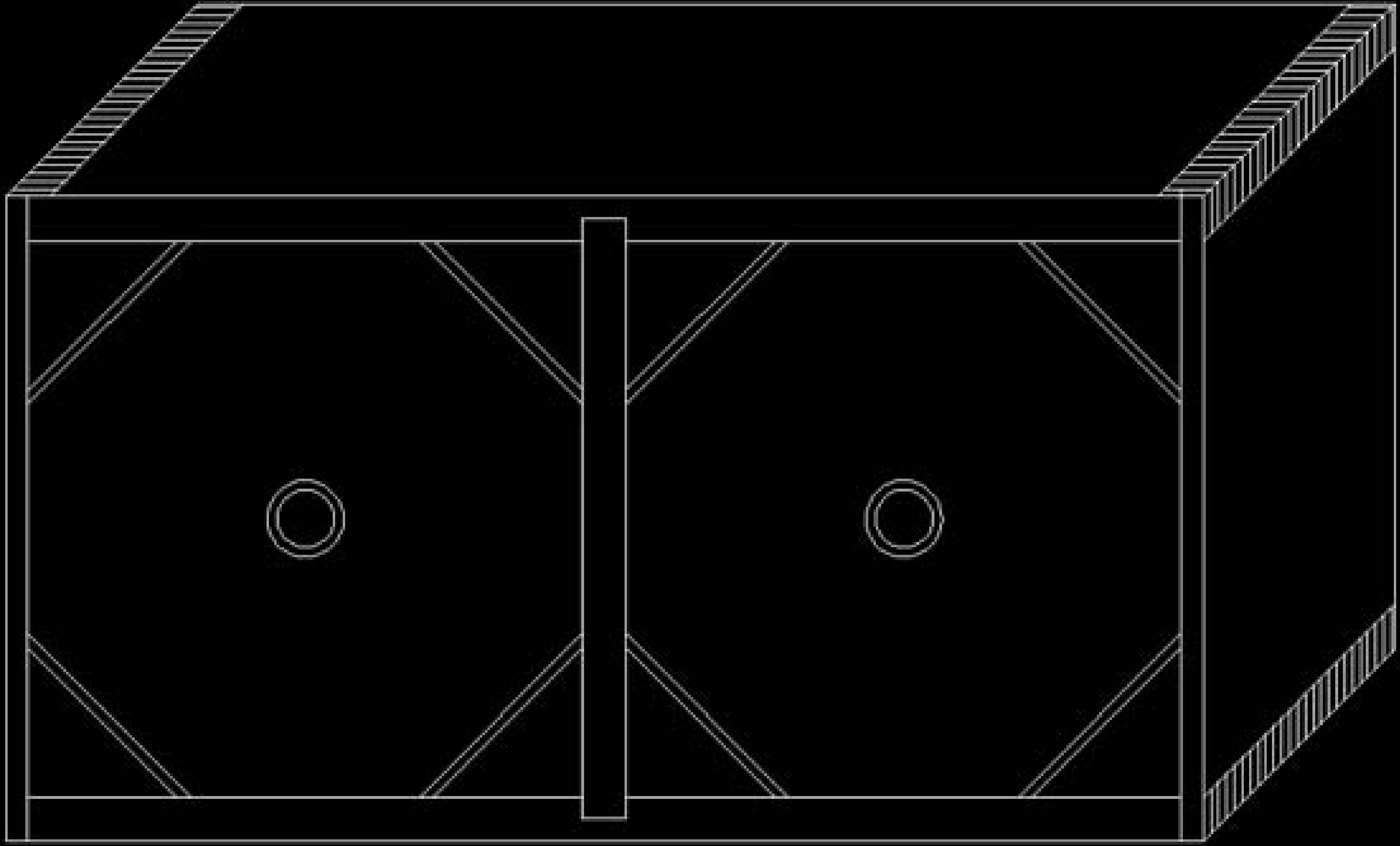




H. G. FISCHER & CO.
CENTRAL SCIENTIFIC CO.

H. G. FISCHER & CO.





Fischer
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15
CYCLE
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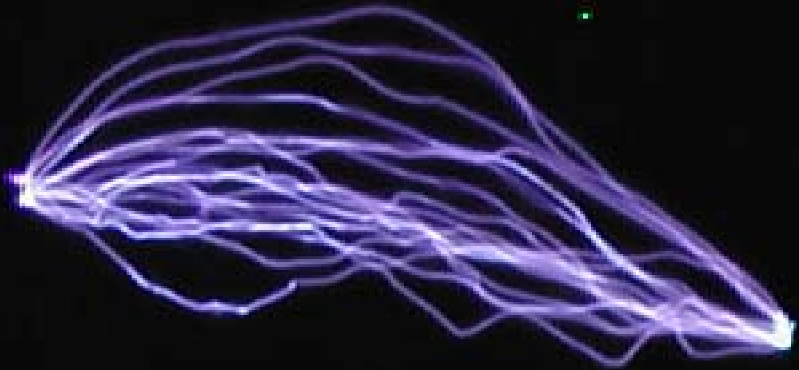
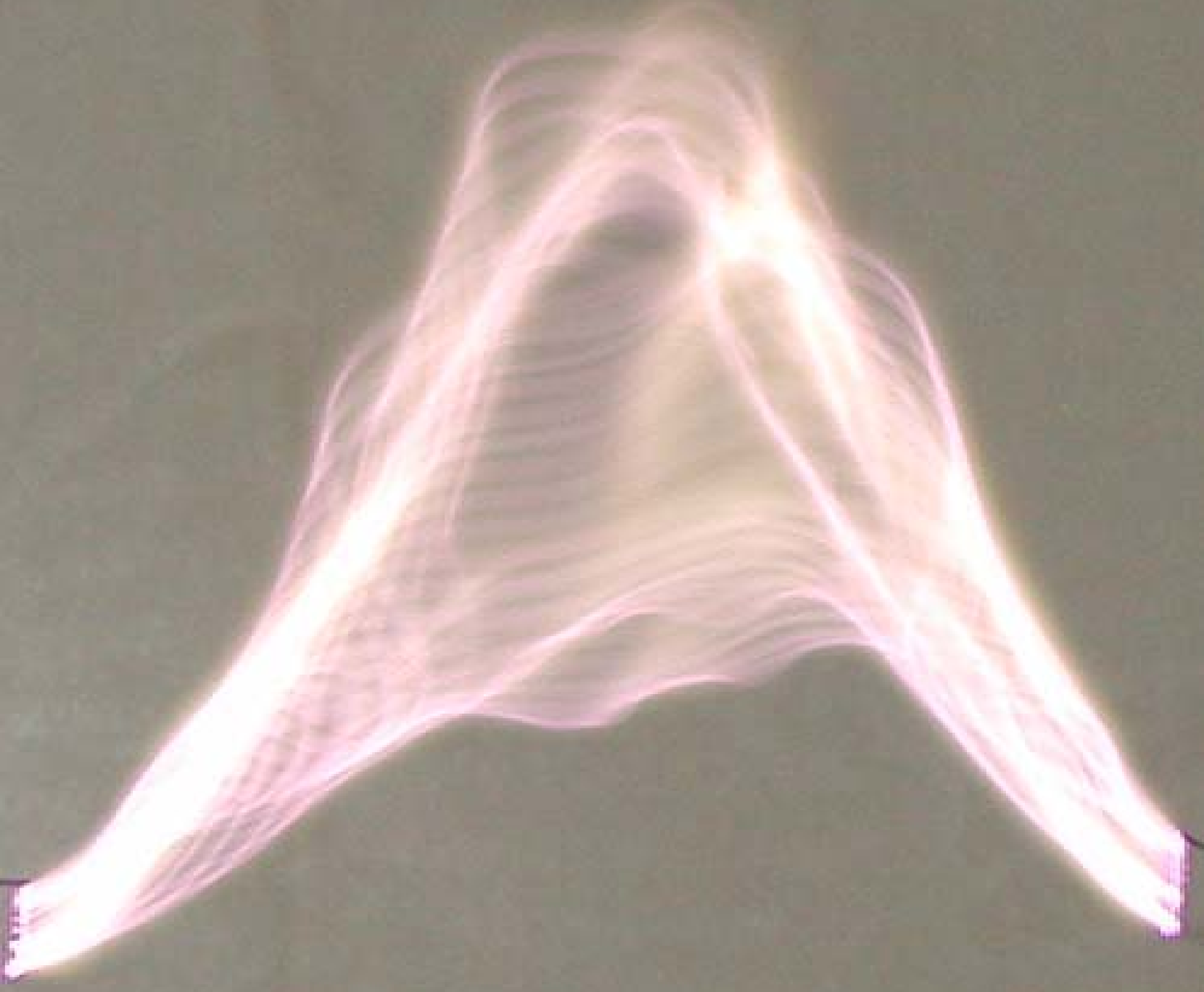
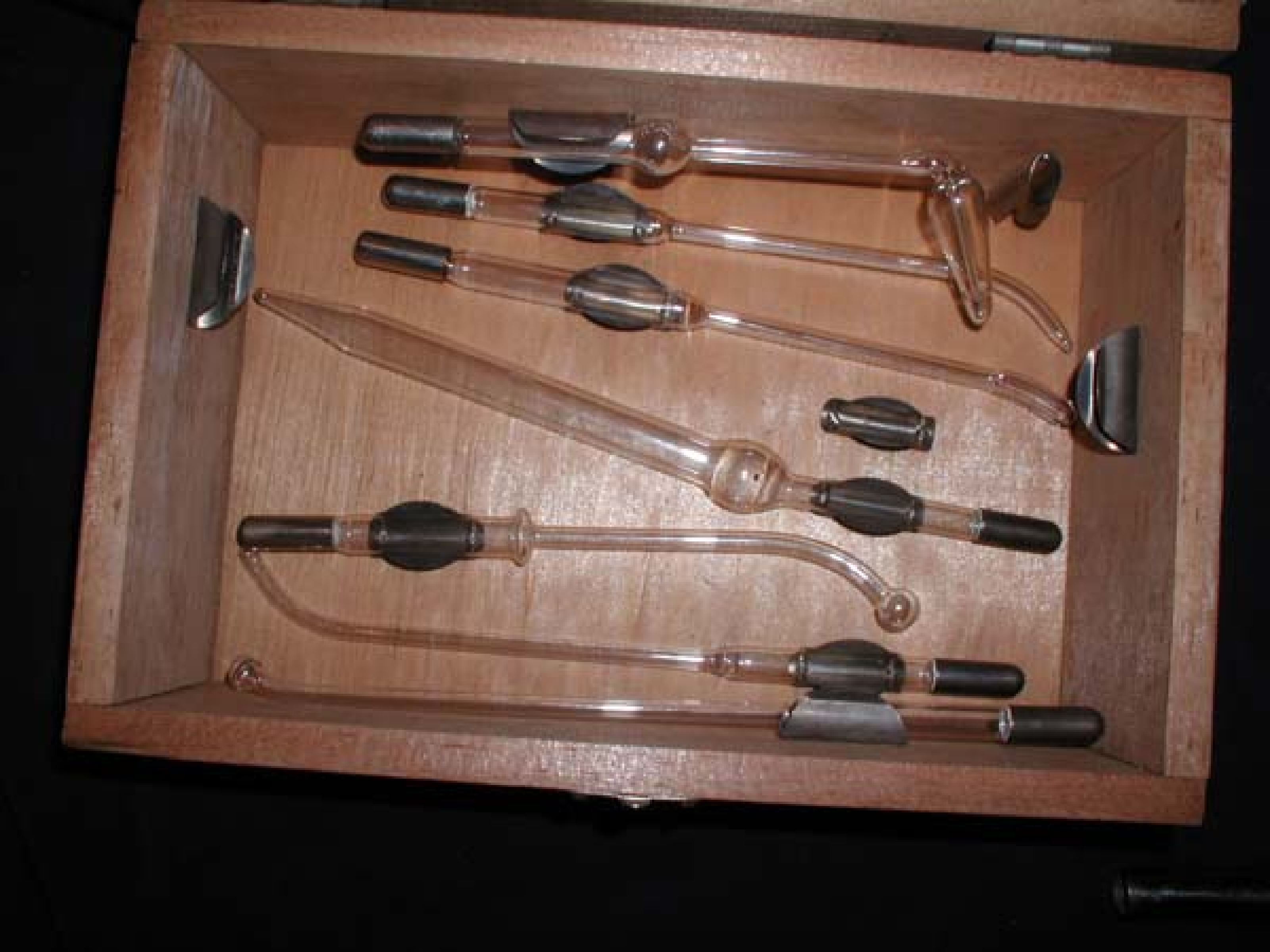
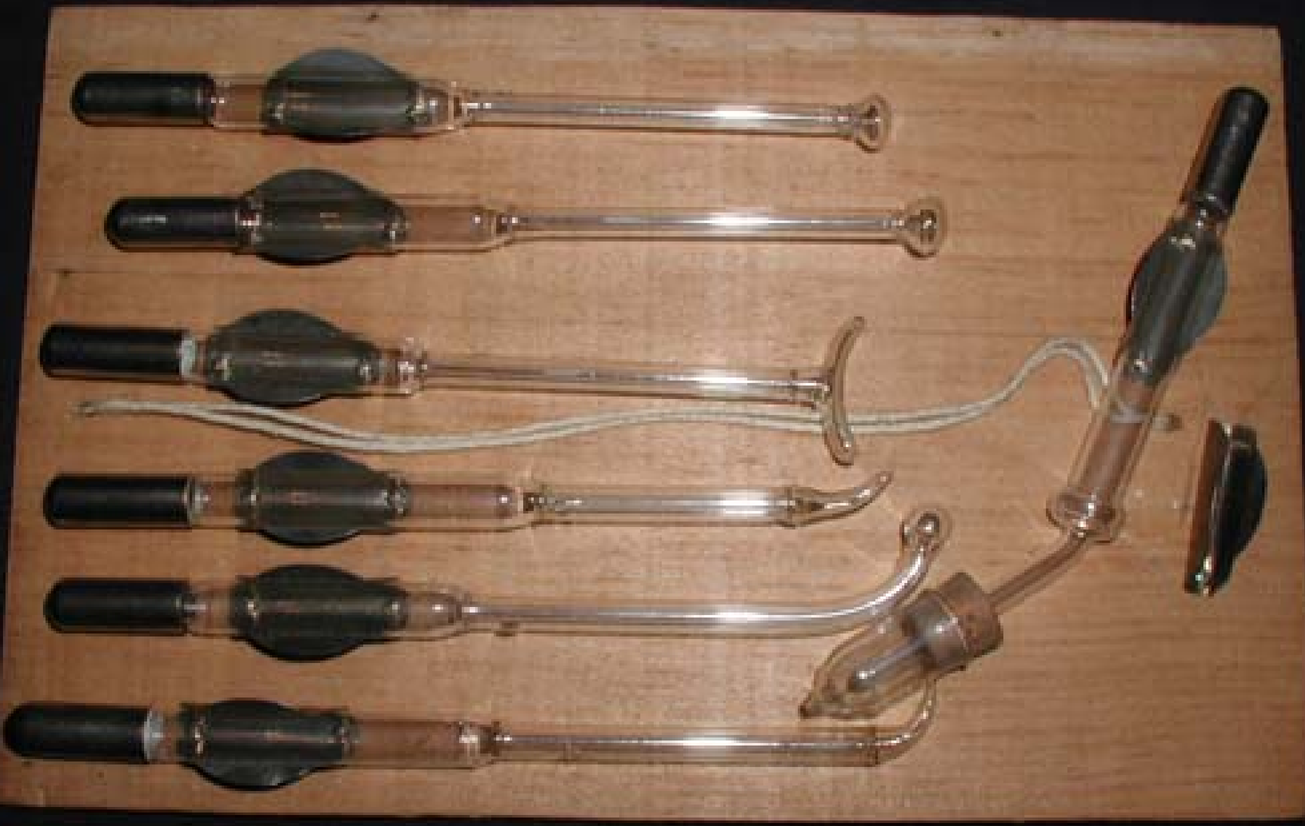
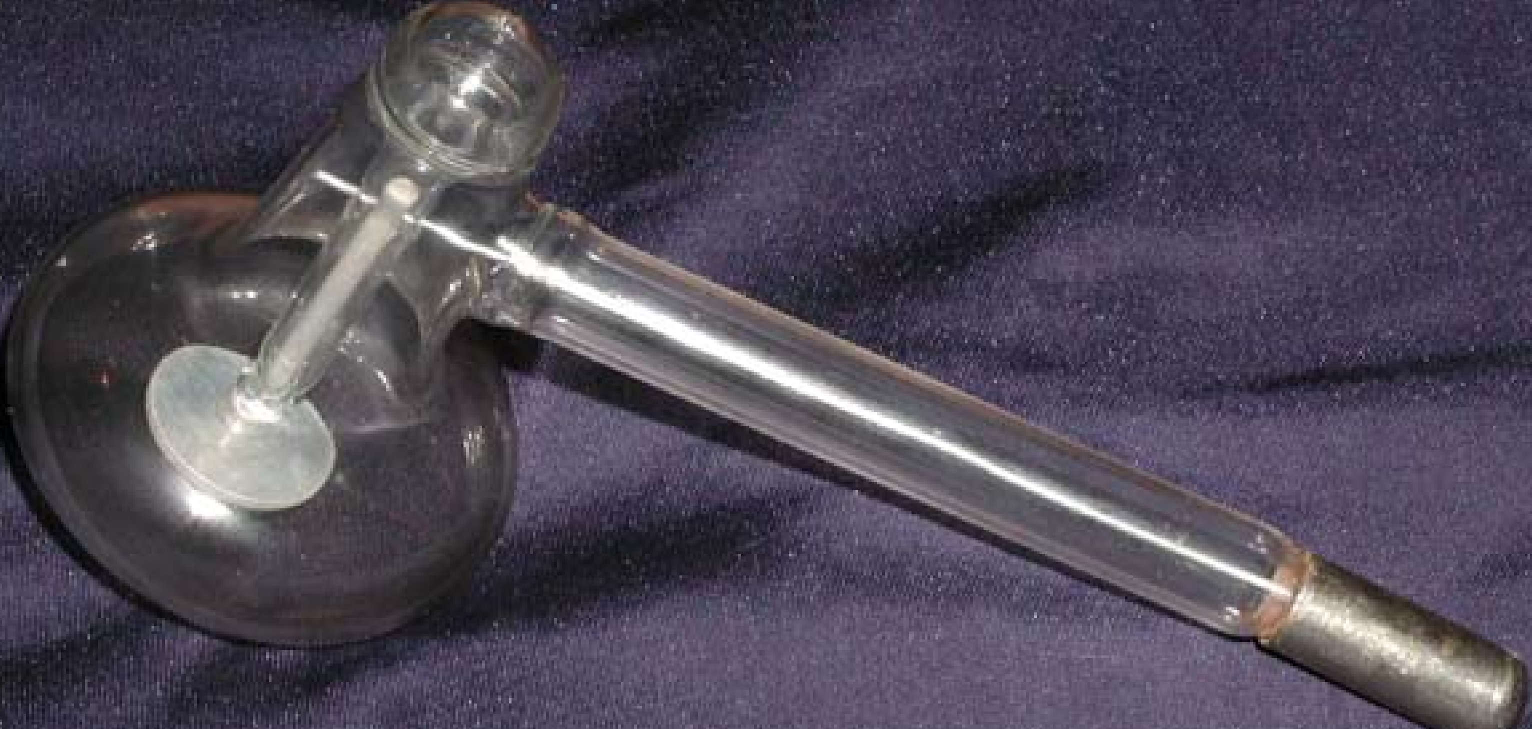
VOLTS
110
No
H. G. FISCHER & CO.
CHICAGO, ILL. MADE IN U.S.A.
CENTRAL SCIENTIFIC CO.
LABORATORY
APPARATUS
CENCO
SUPPLIES
CHEMICALS
CHICAGO, U.S.A.
NEW YORK - BOSTON - TORONTO - LOS ANGELES

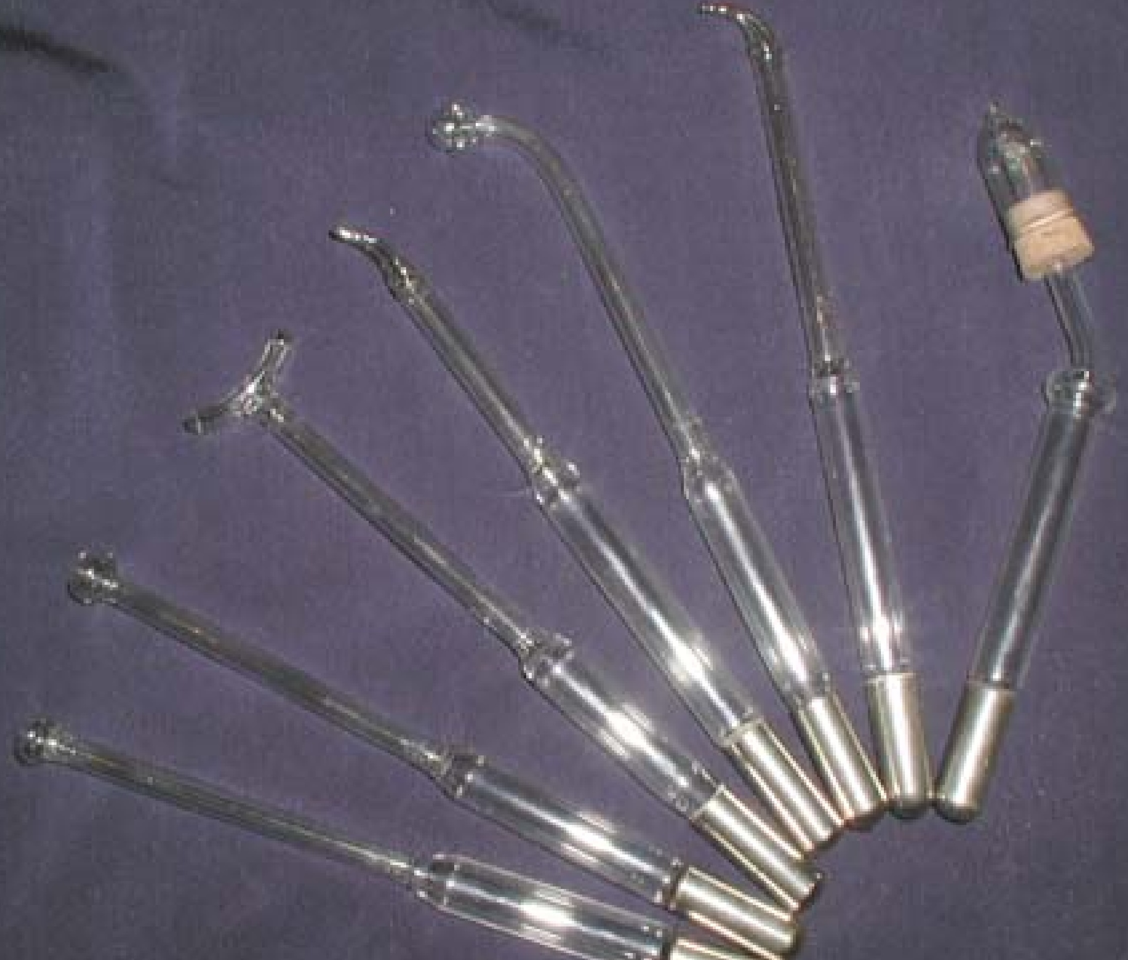


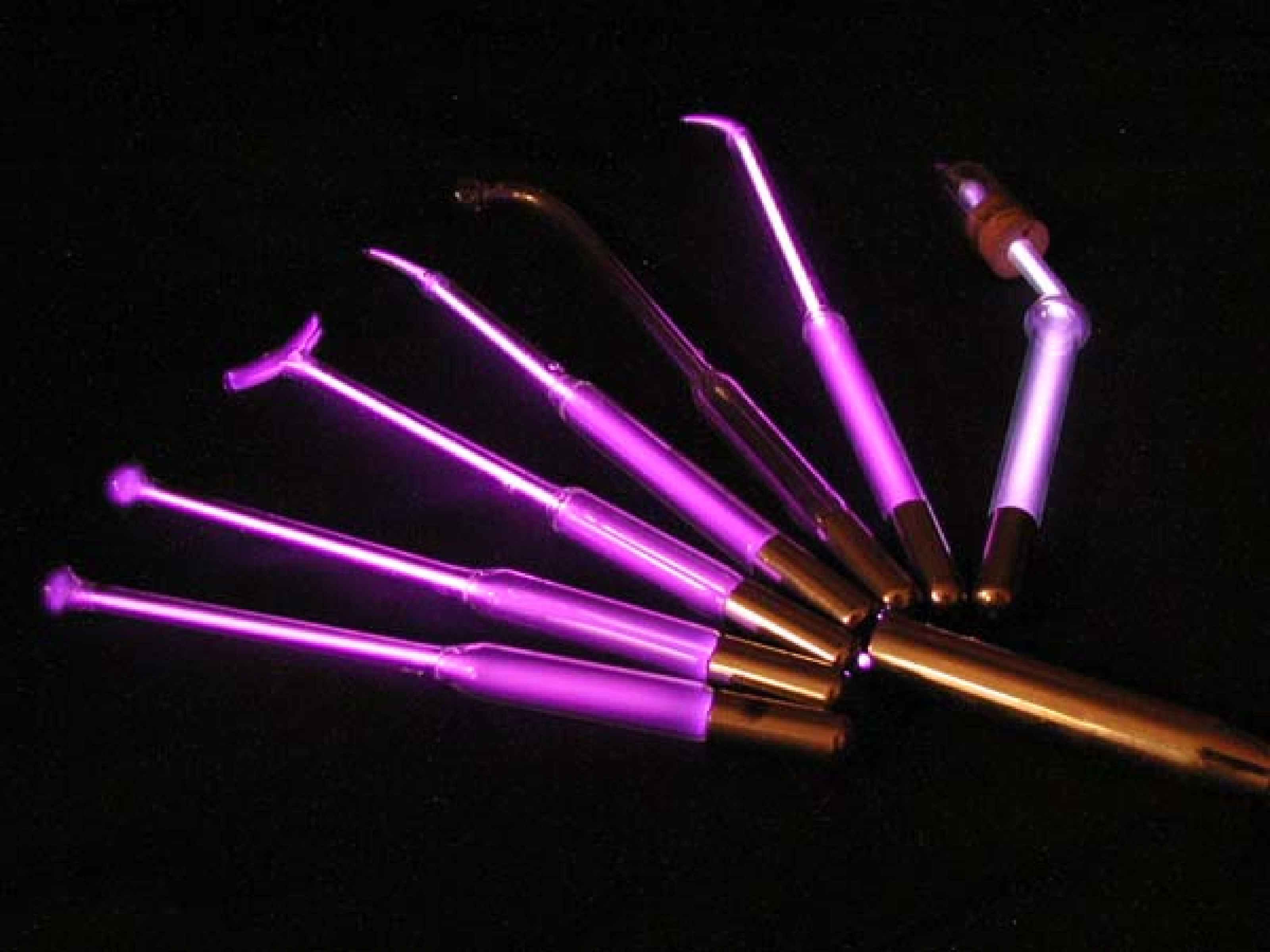


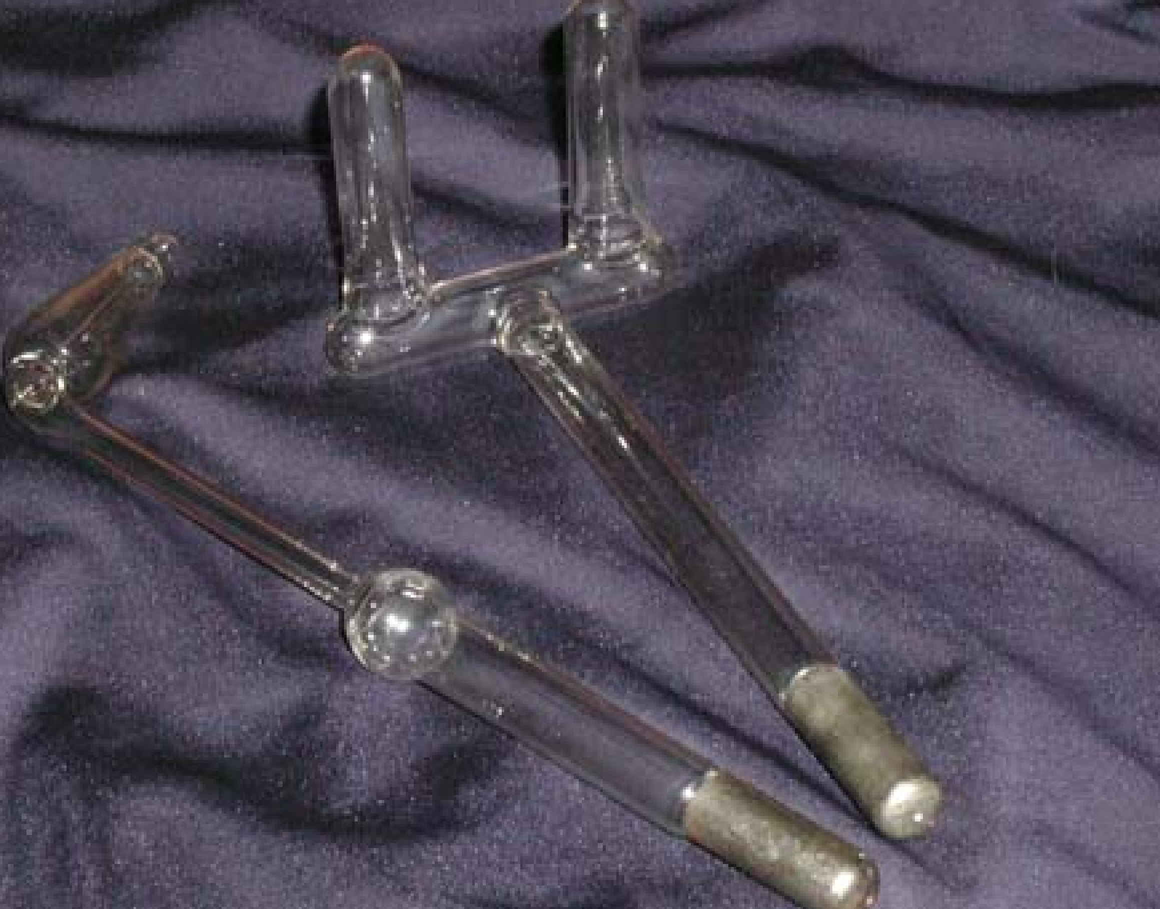


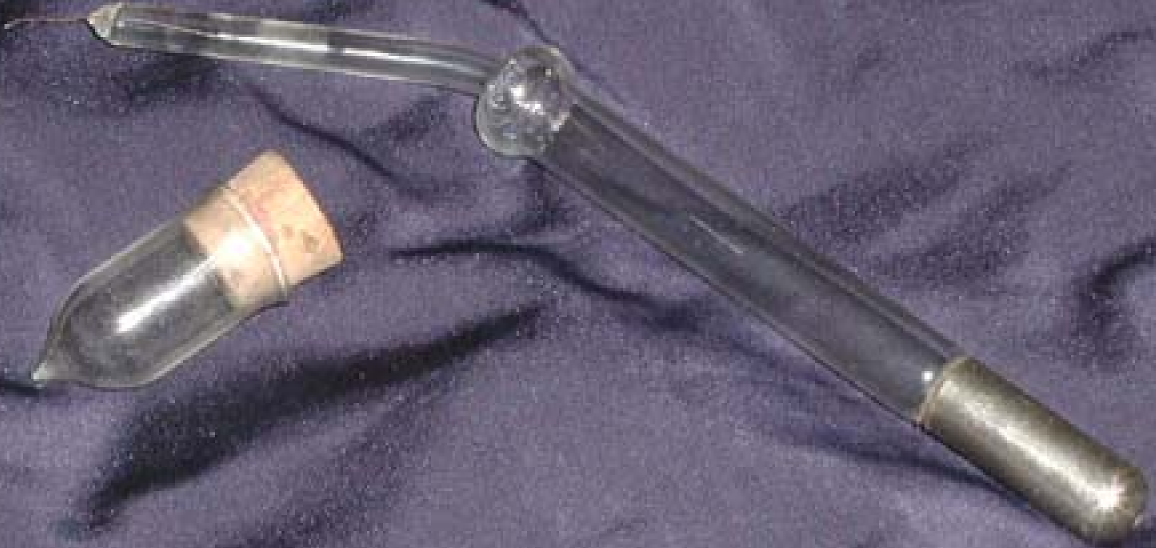


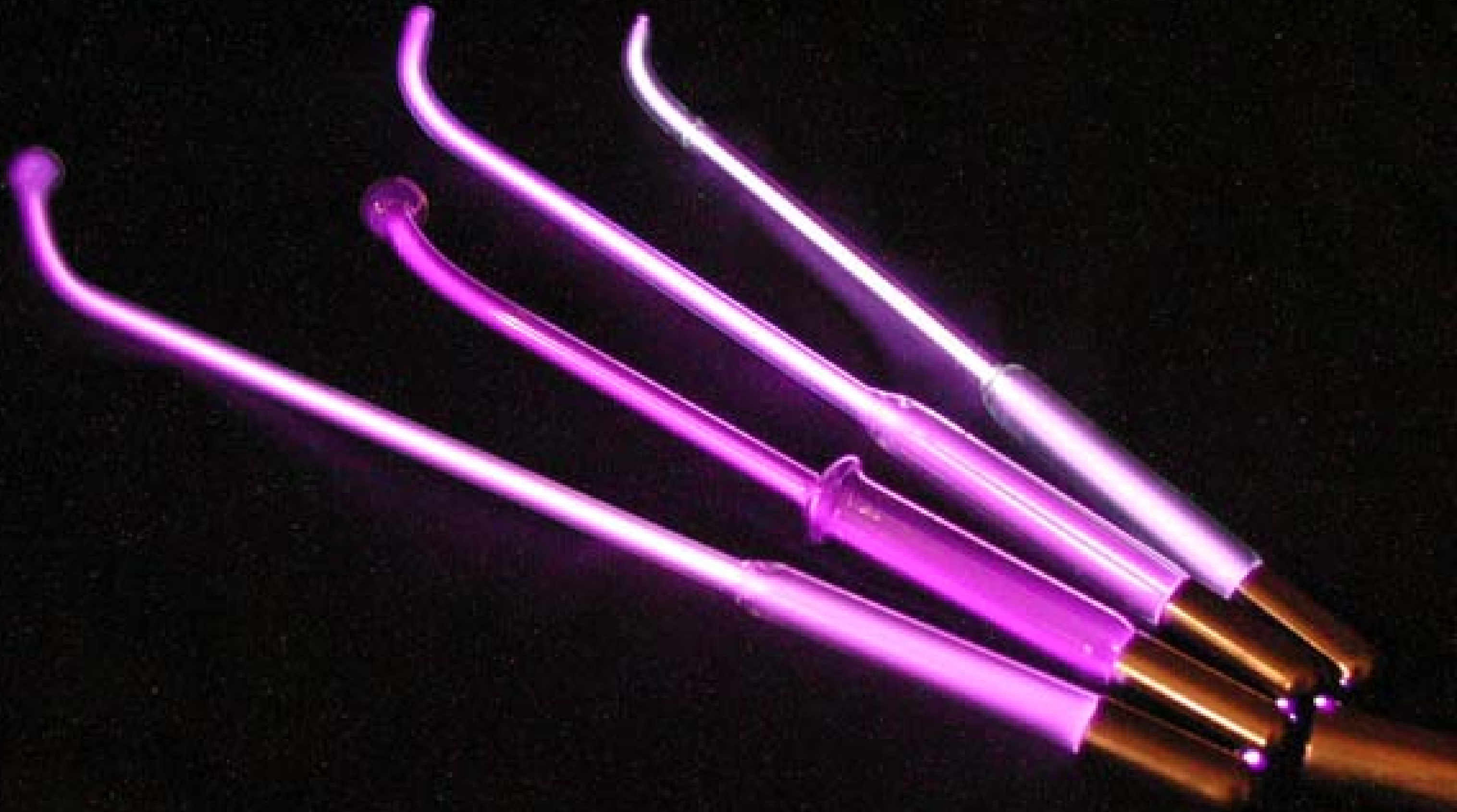


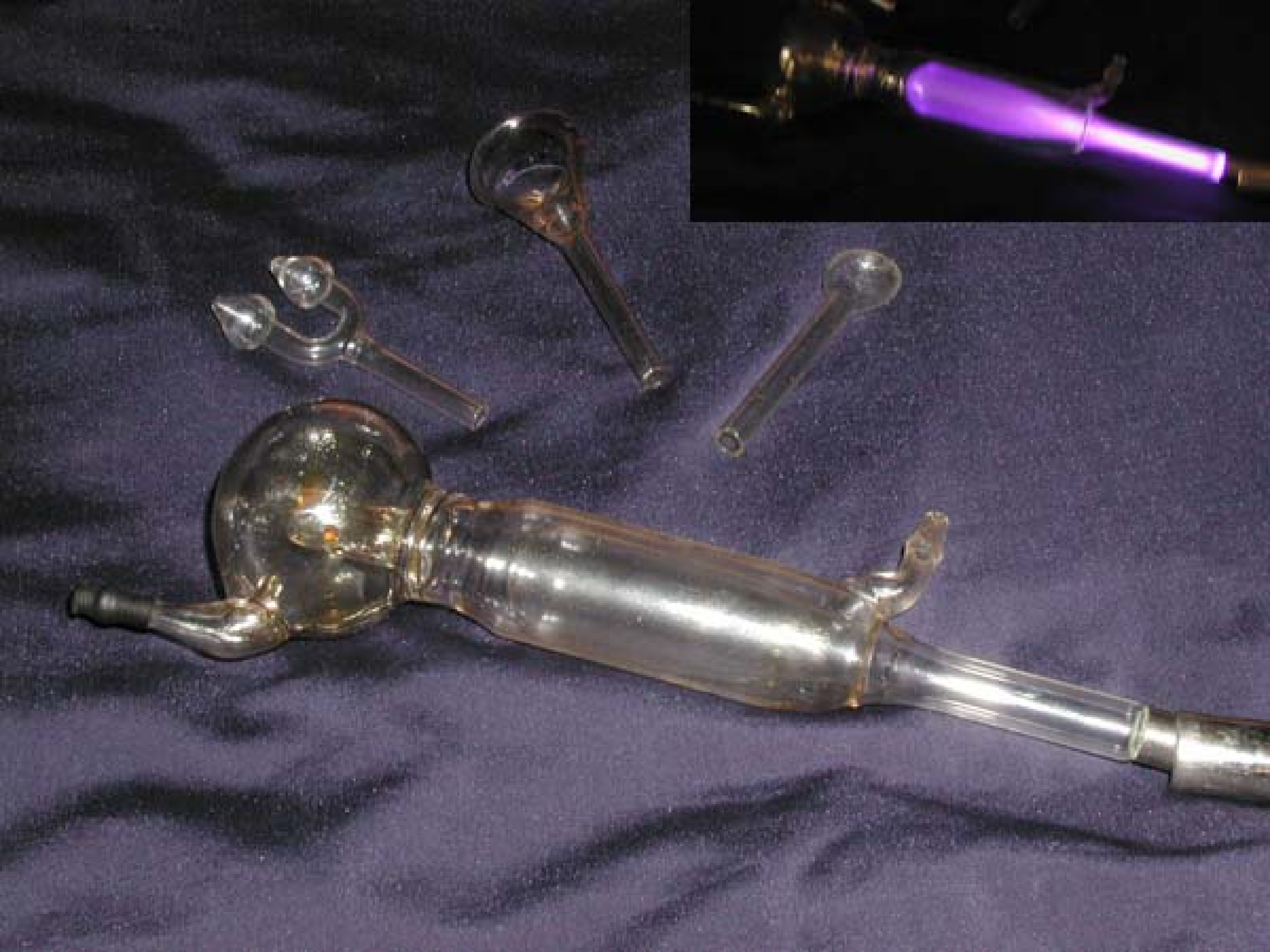


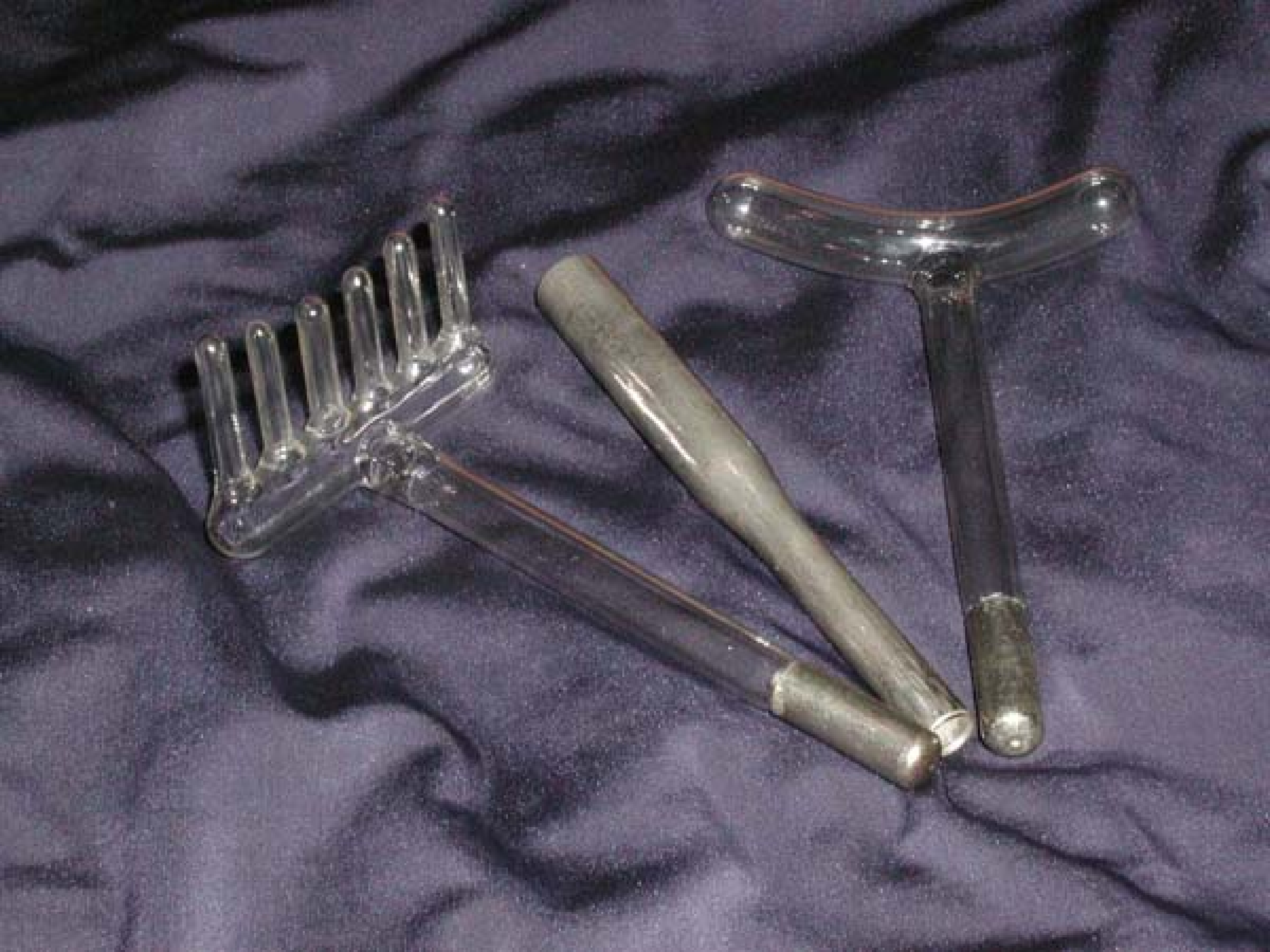


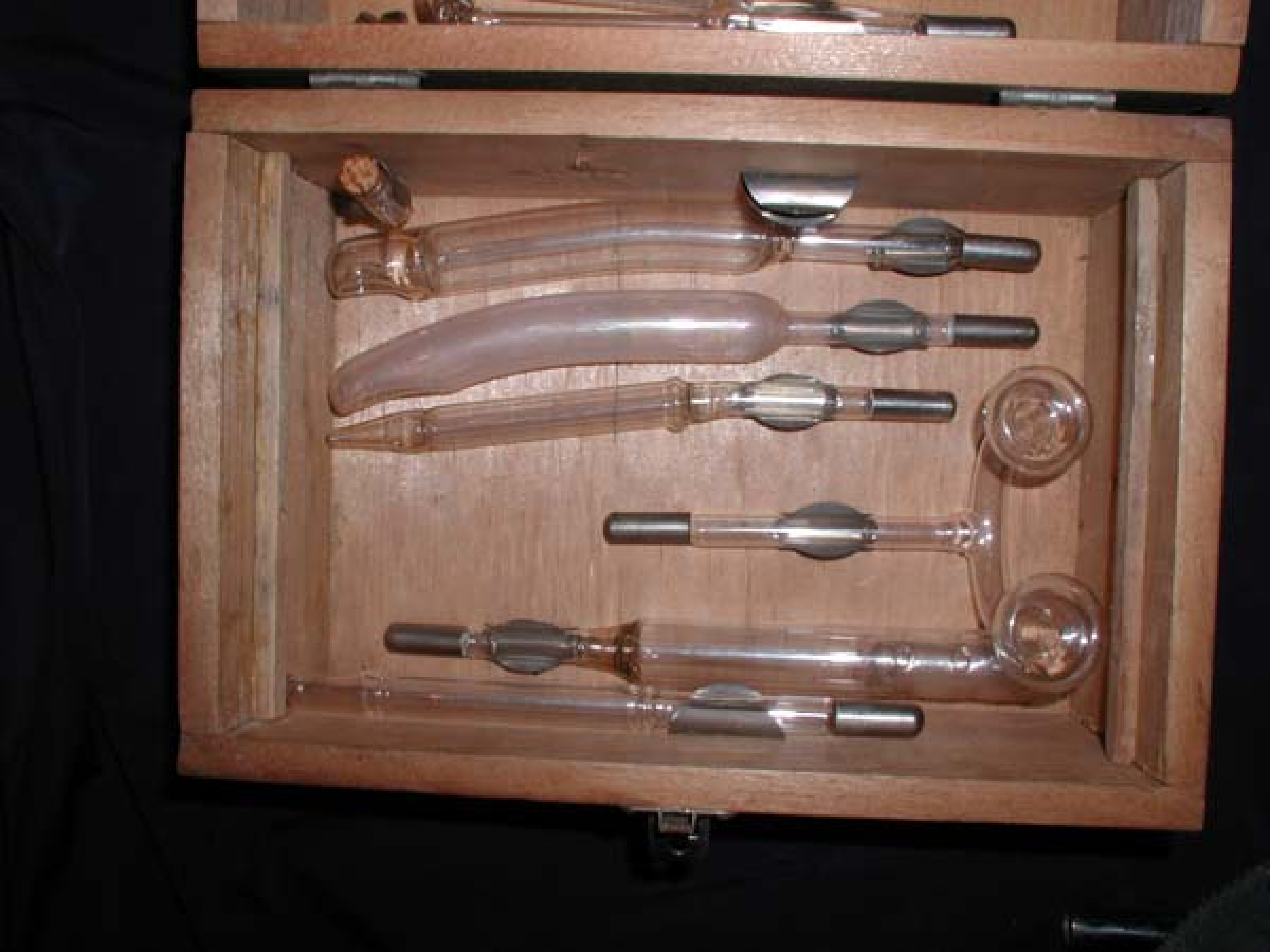




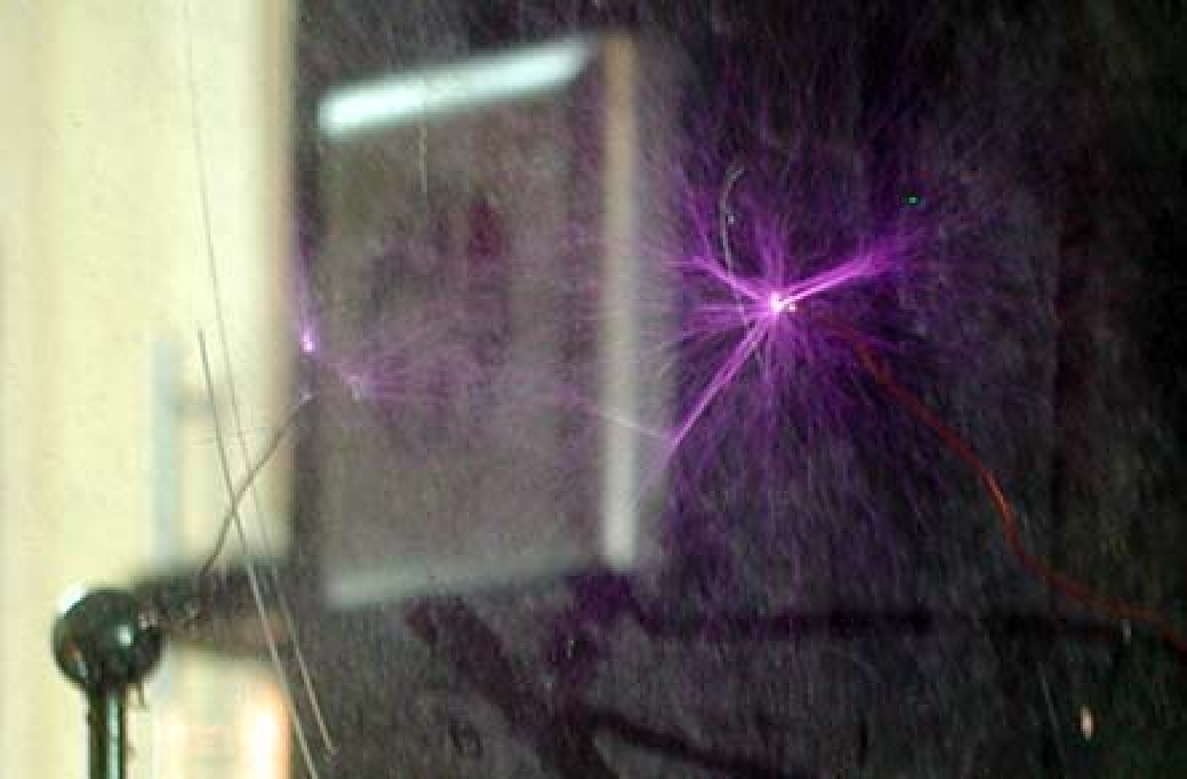




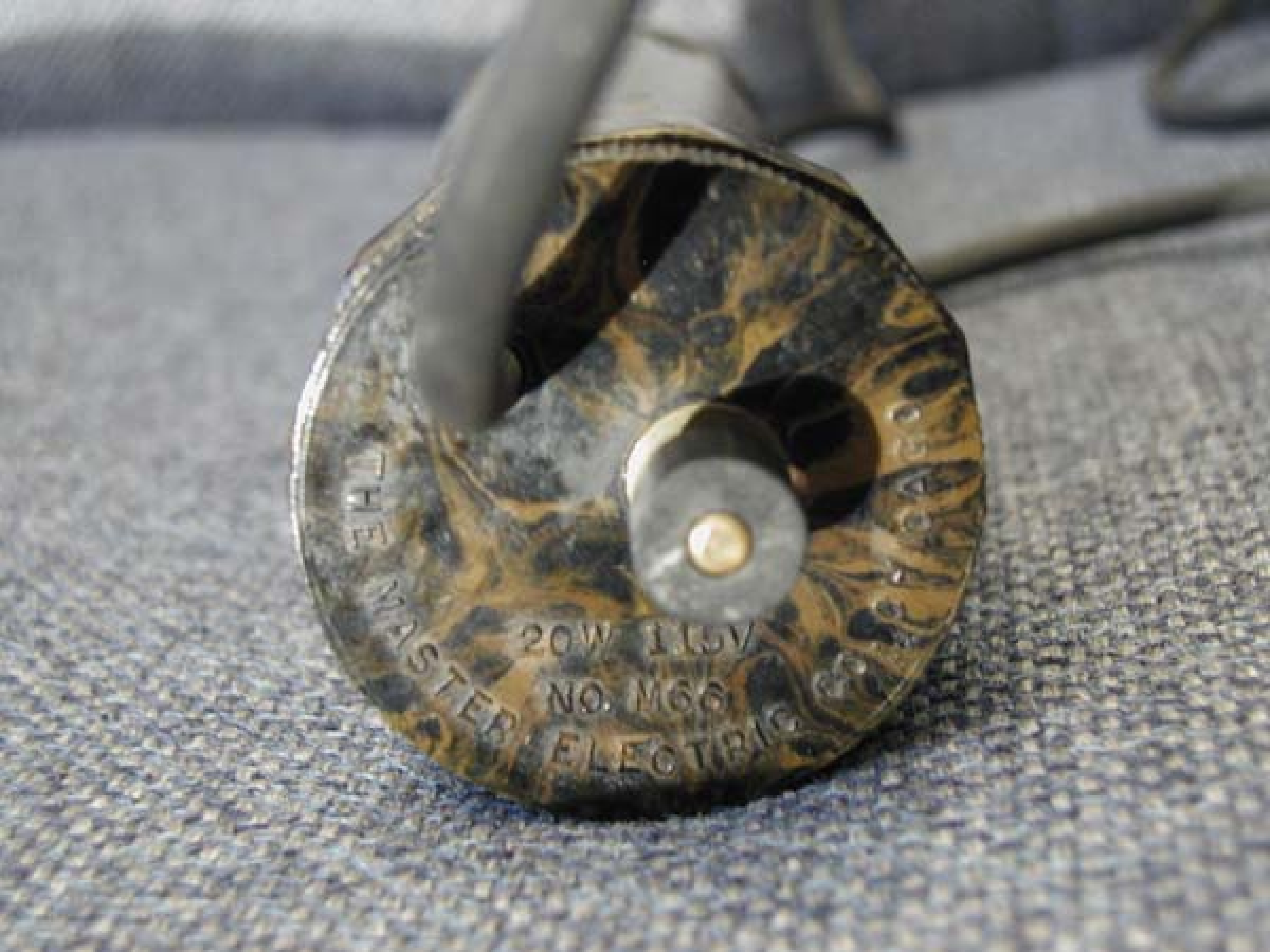




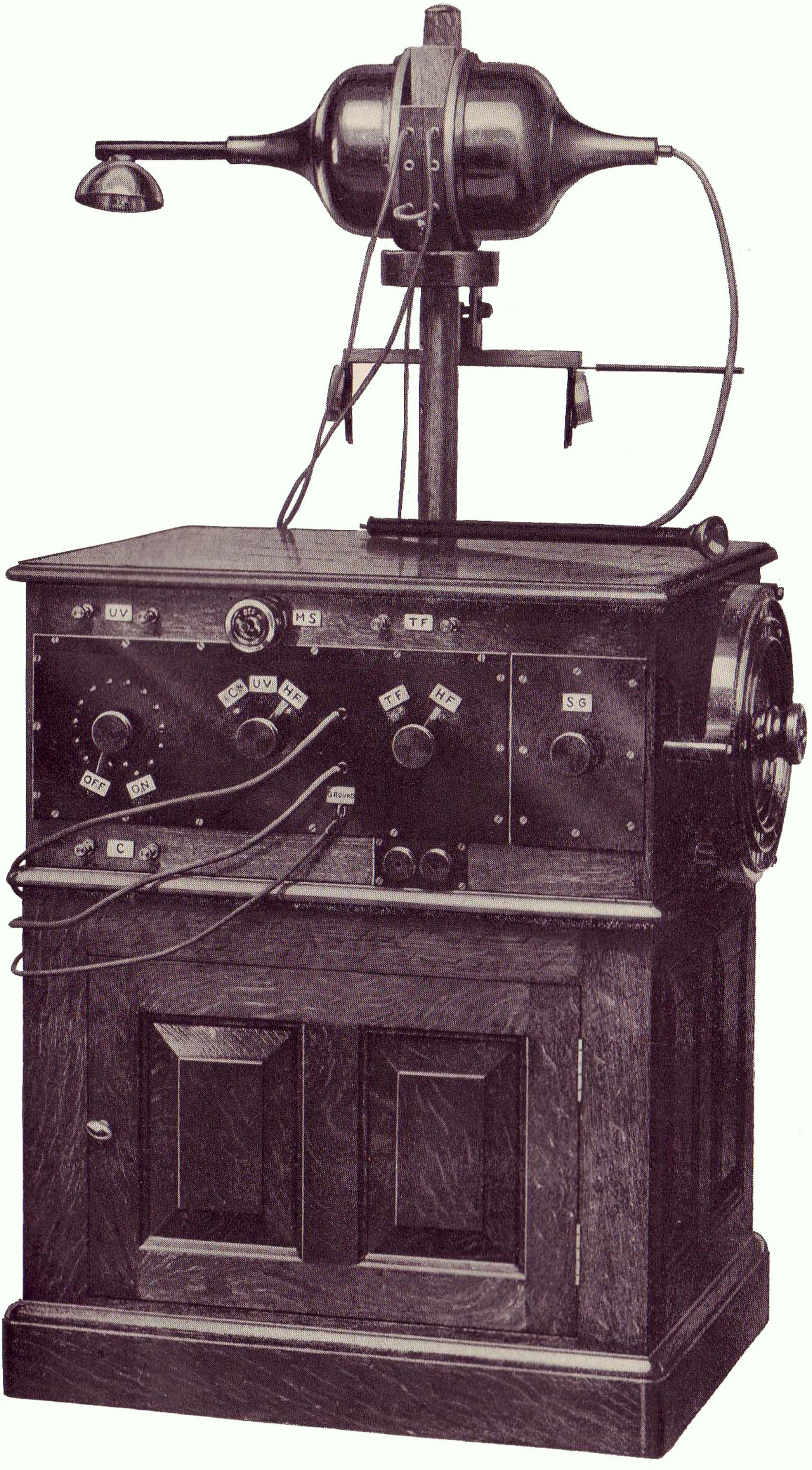
BEHARY-KINRAIDE-JACKSON COIL
110 VOLTS ALTERNATING CURRENTS · 2 AMPERES



LISTED UNDER
REEXAMINATION SERVICE
OF UNDERWRITERS' LABORATORIES INC.
UL


THE MASTER ELECTRIC
20W 115V
NO. M66

UL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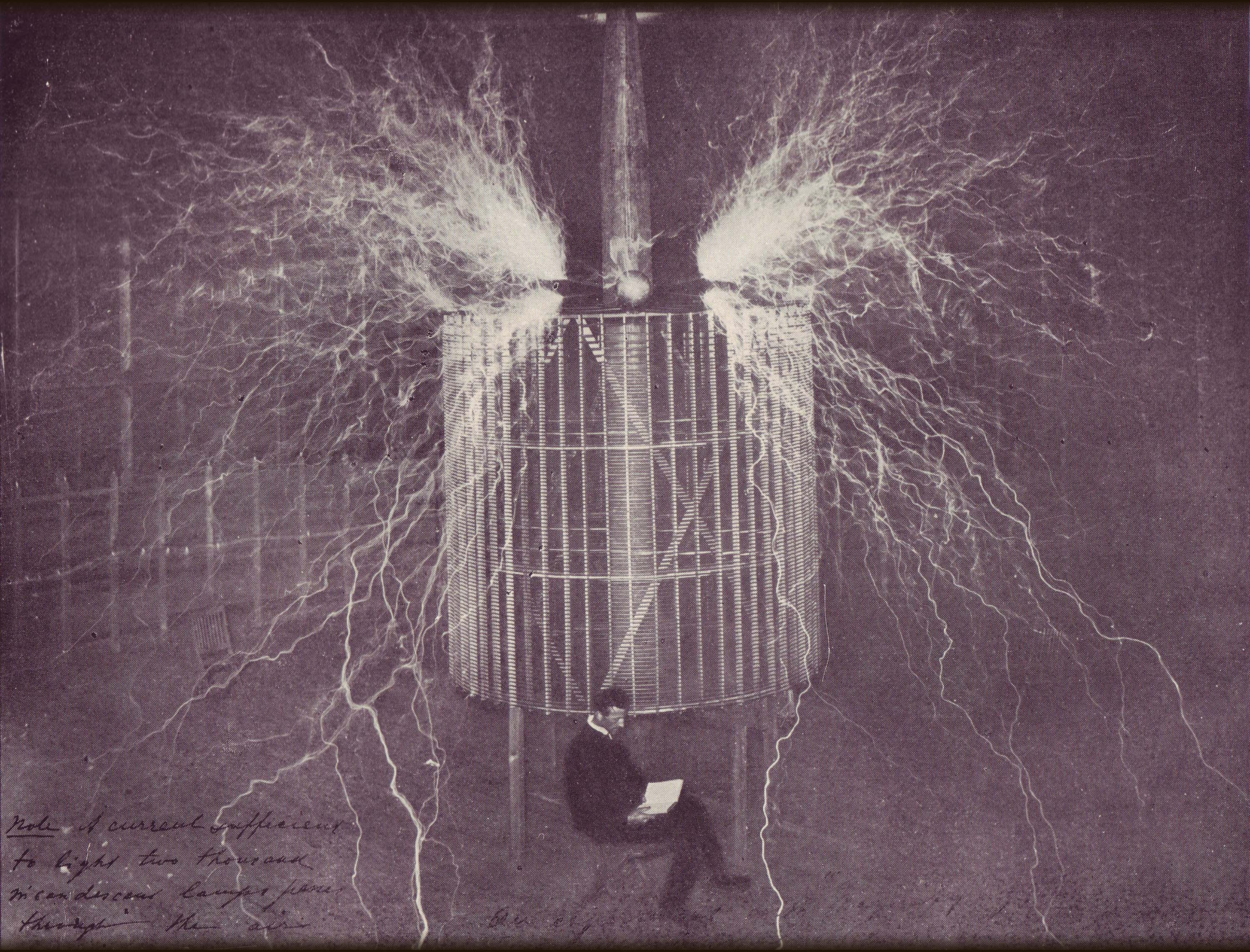
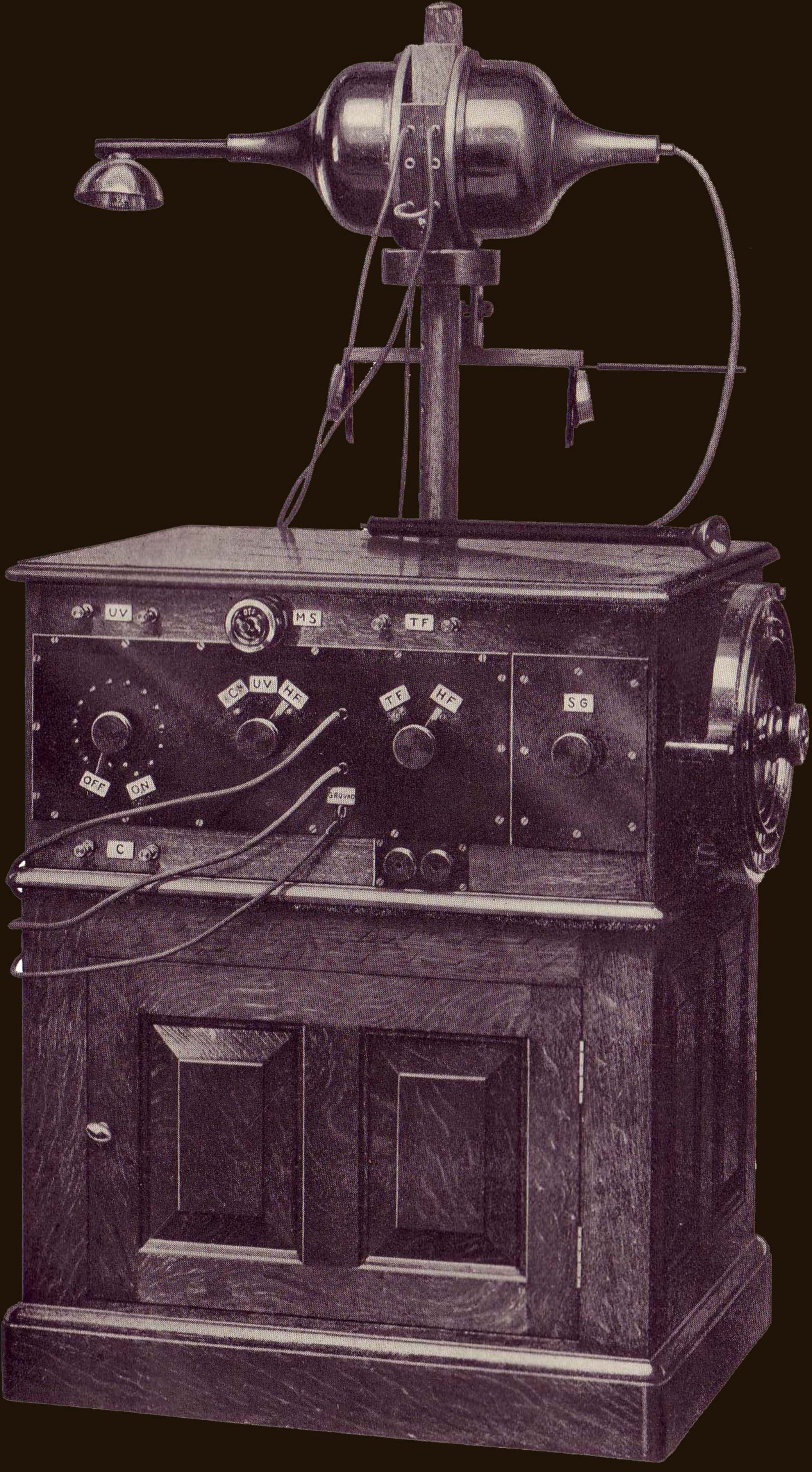


Note A current sufficient
to light two thousand
incandescent lamps passes
through the air

[illegible]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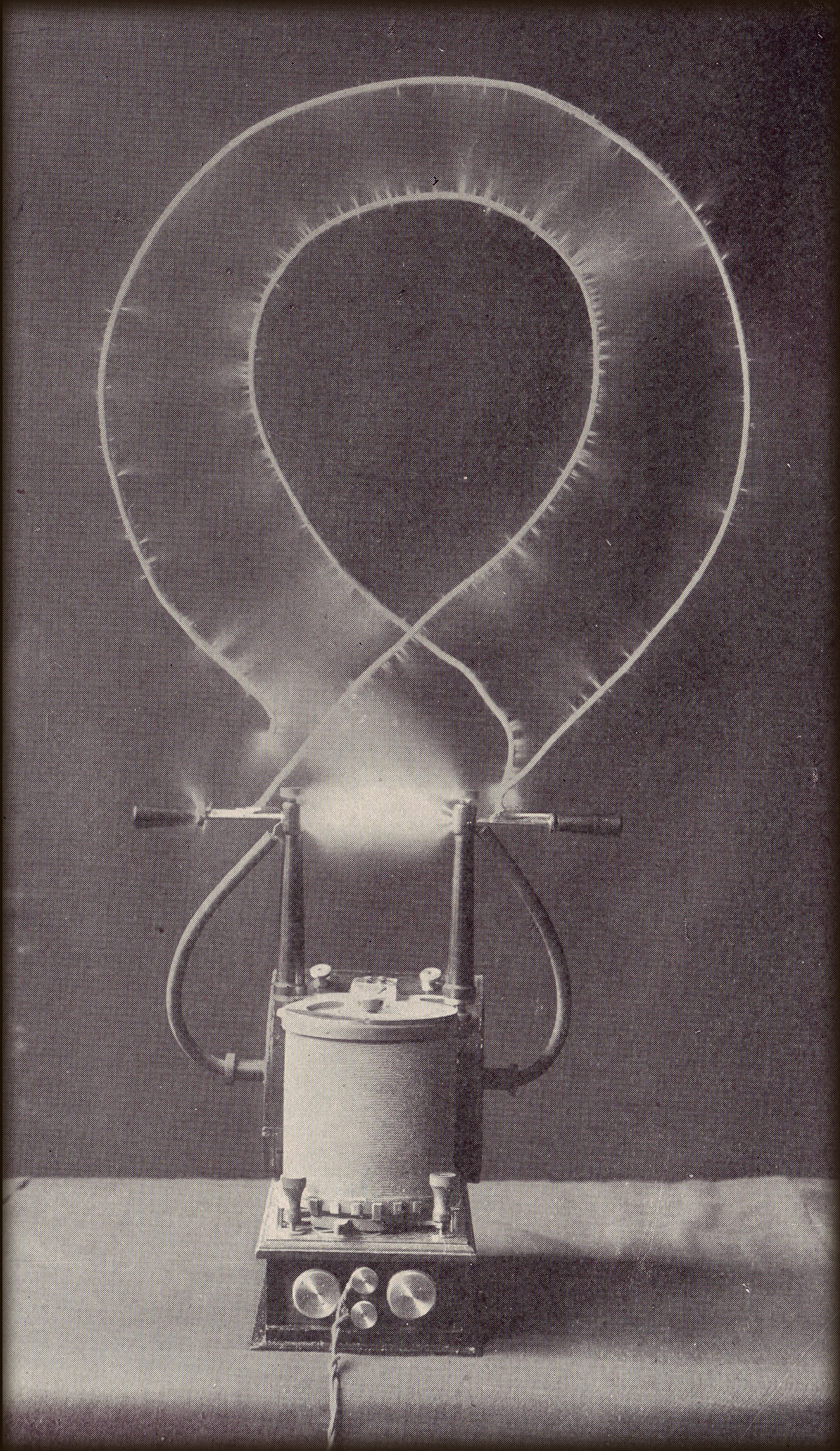
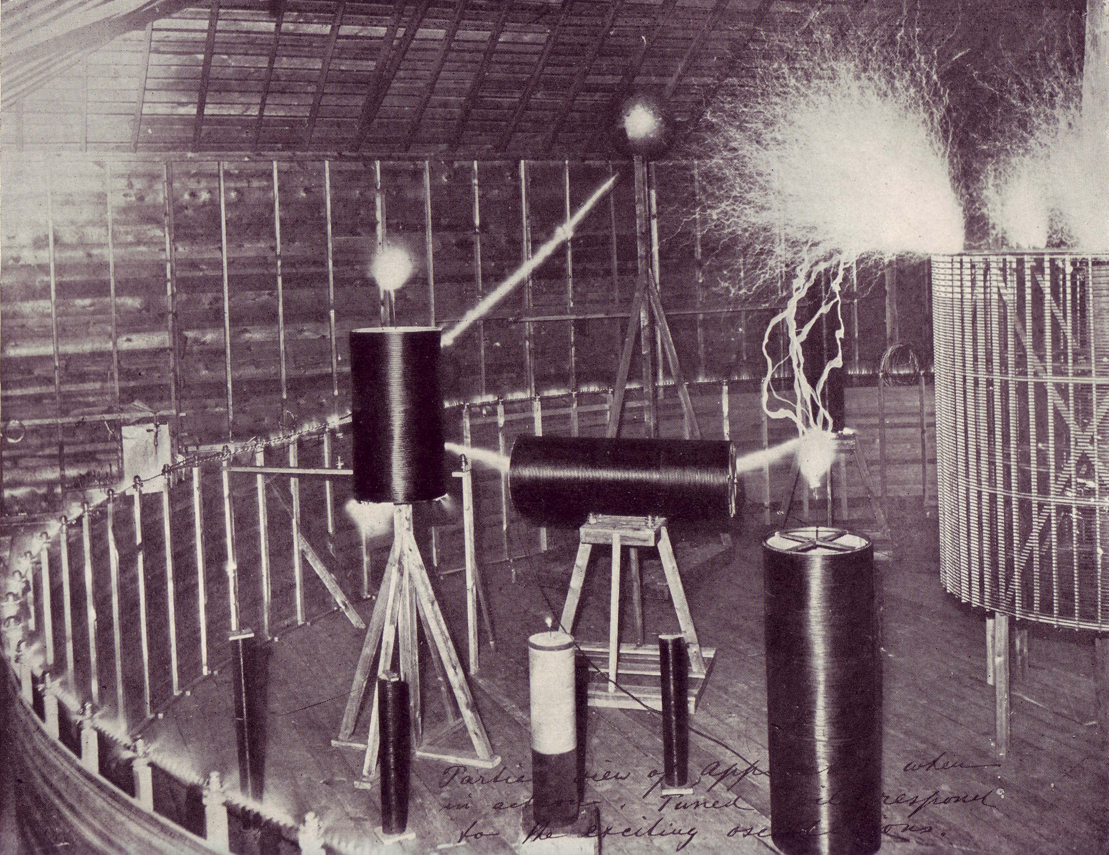
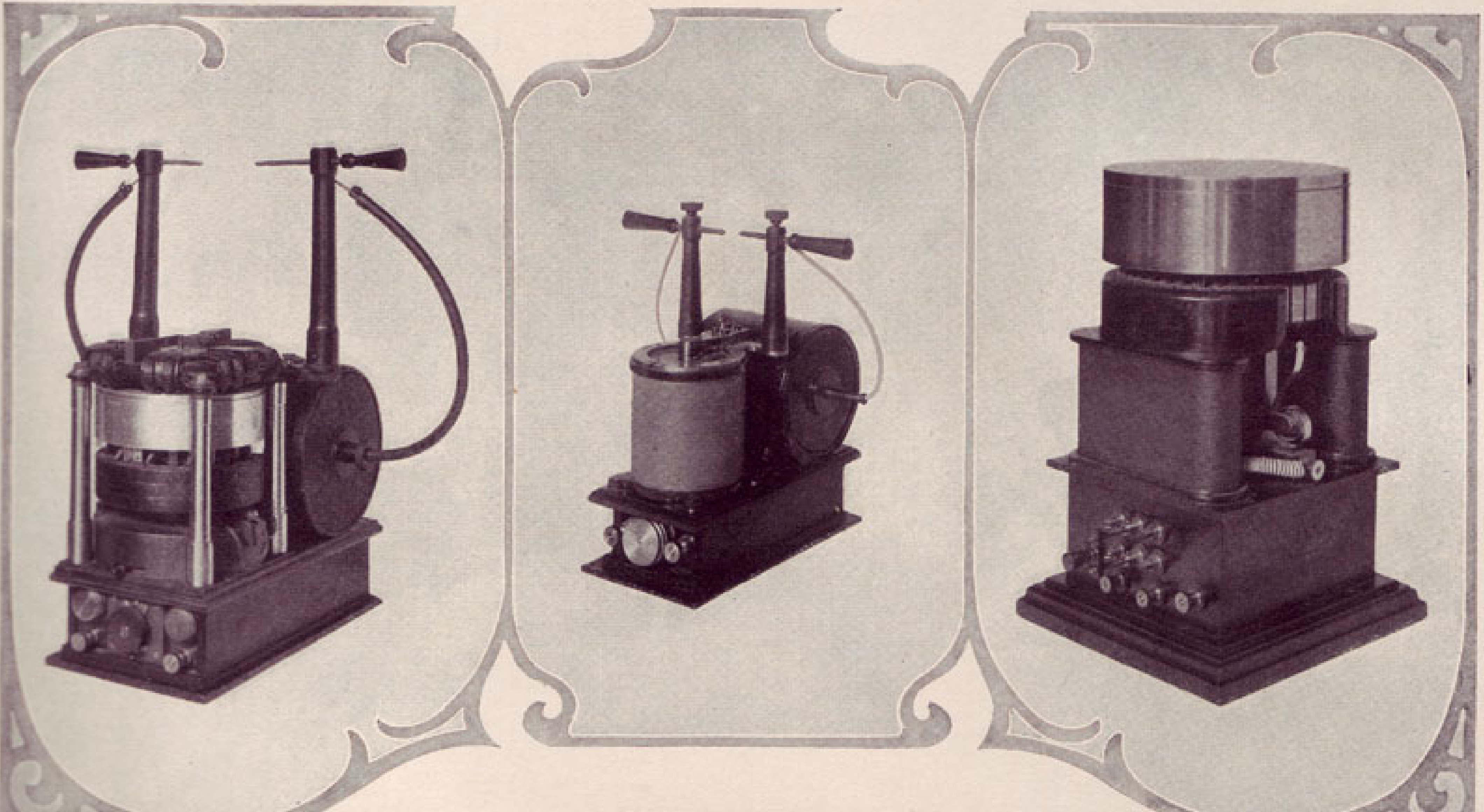
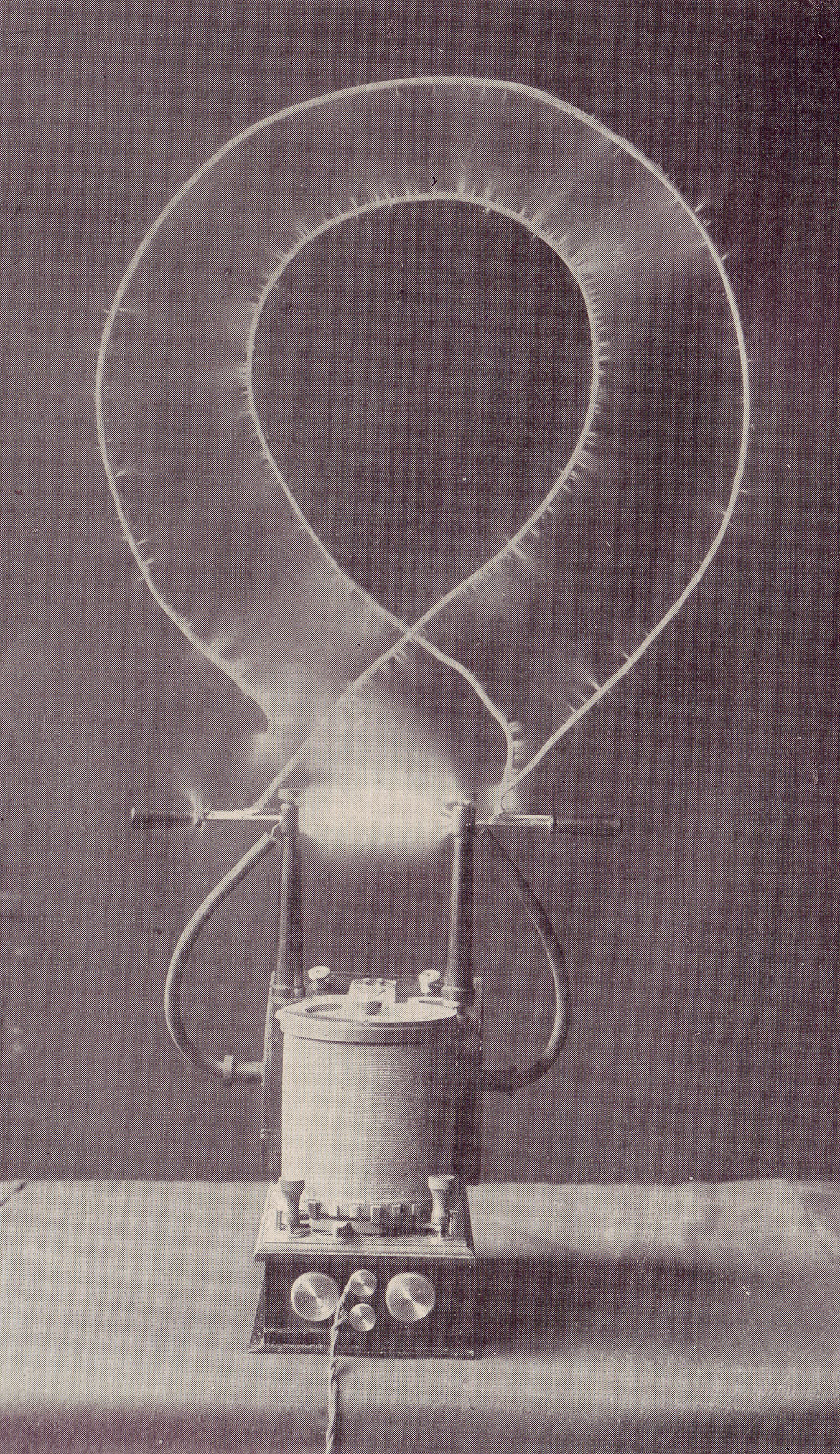


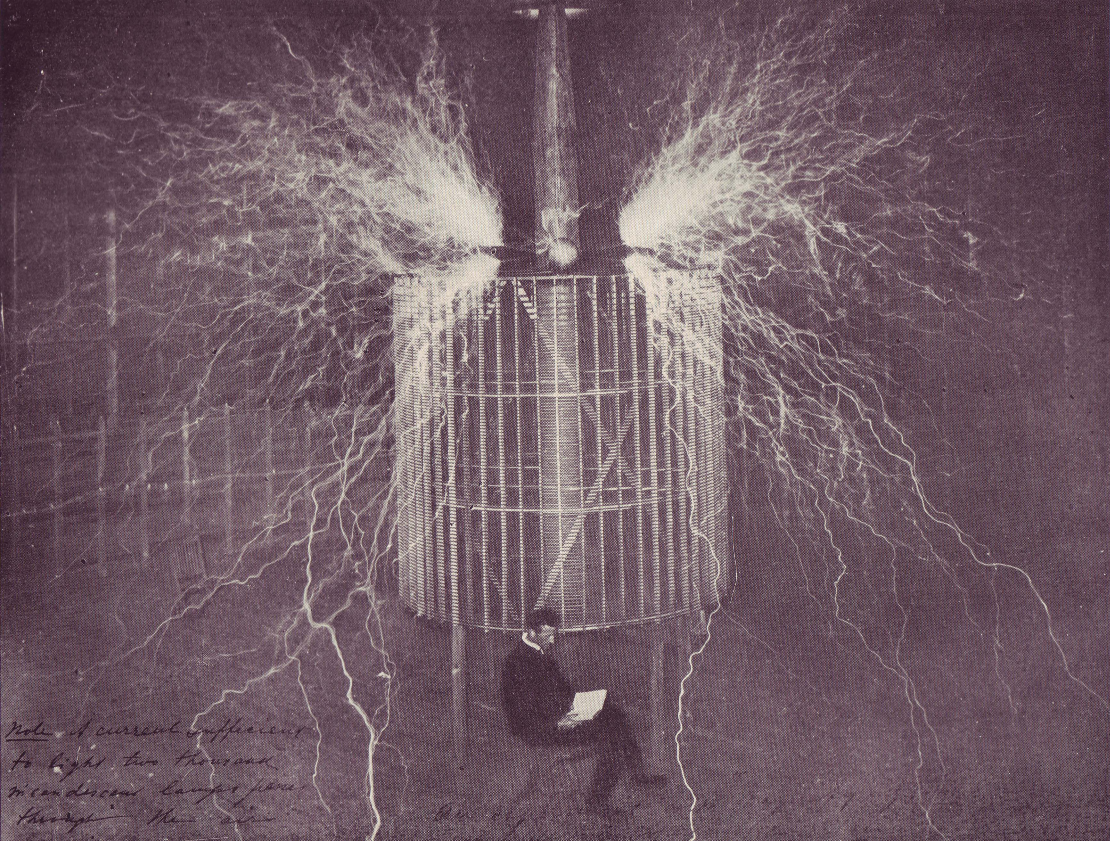


Partial view of Apparatus when in action; Tuned to respond to the exciting oscillations.



SOME RECENT MODELS





Note A current sufficient
to light two thousand
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through the air

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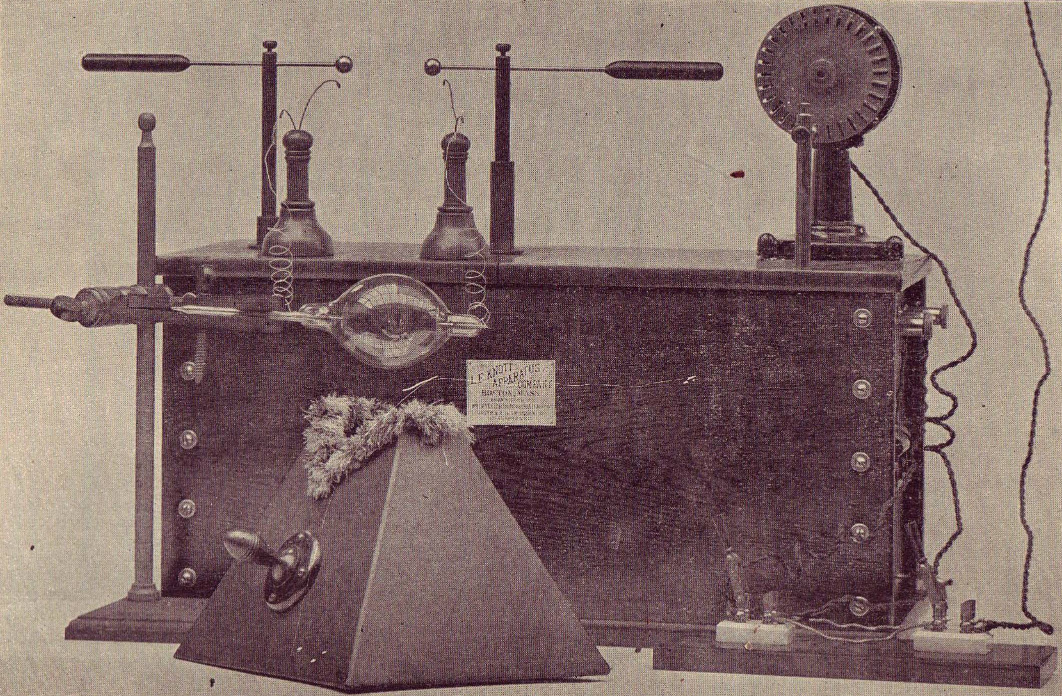
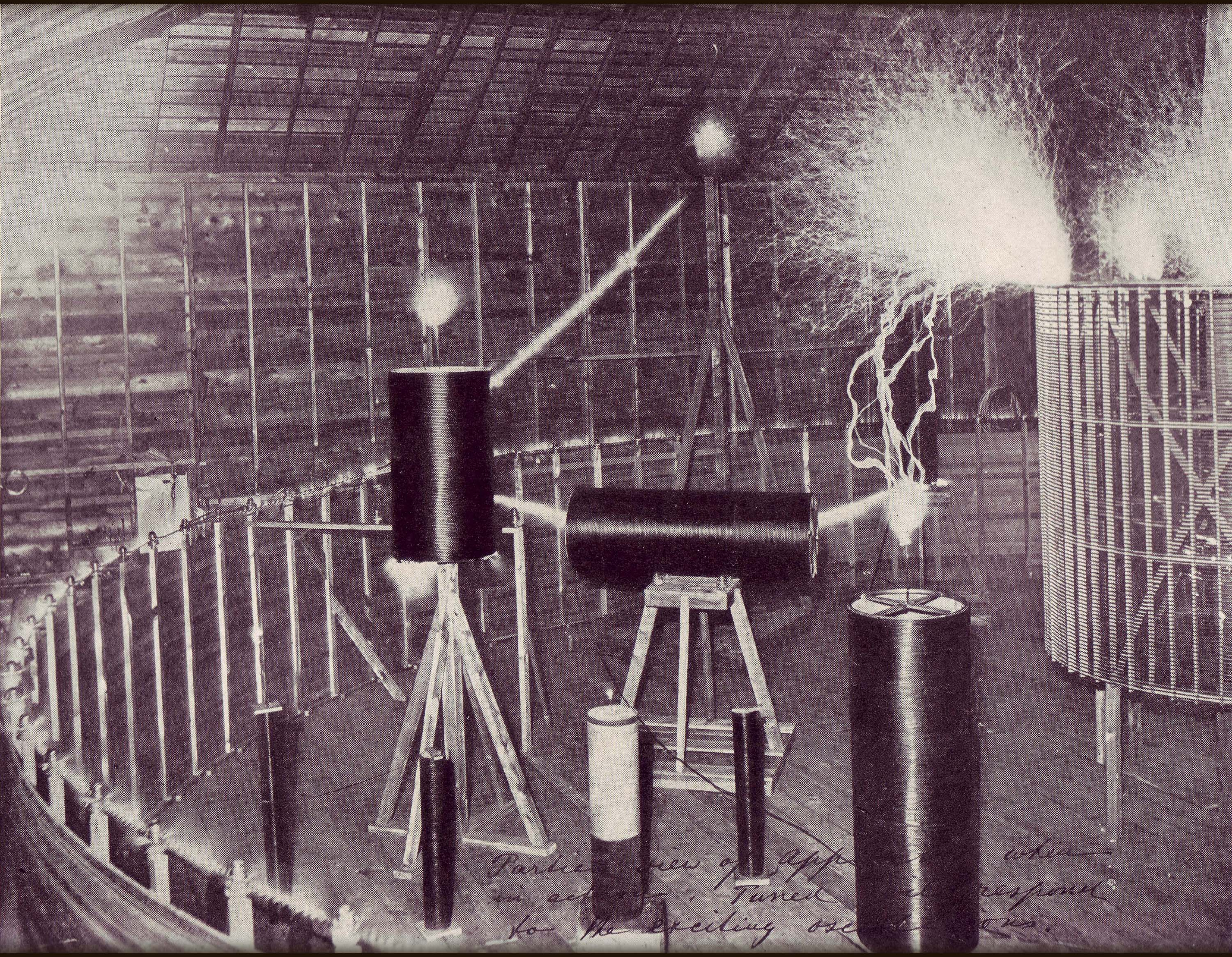
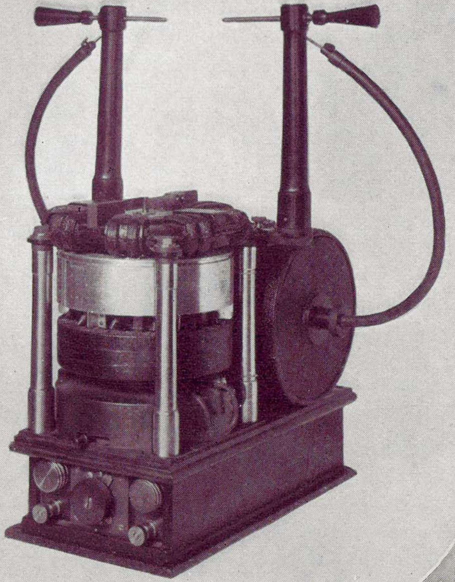
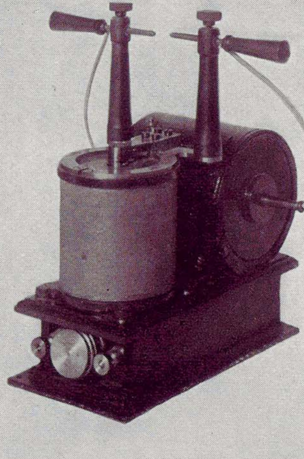
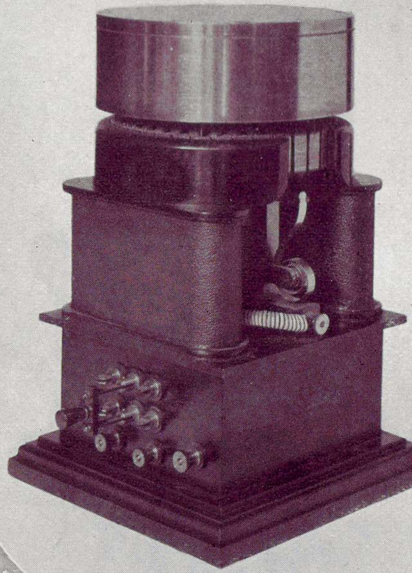

L.E. KNOTT APPARATUS COMPANY
BOSTON, MASS.

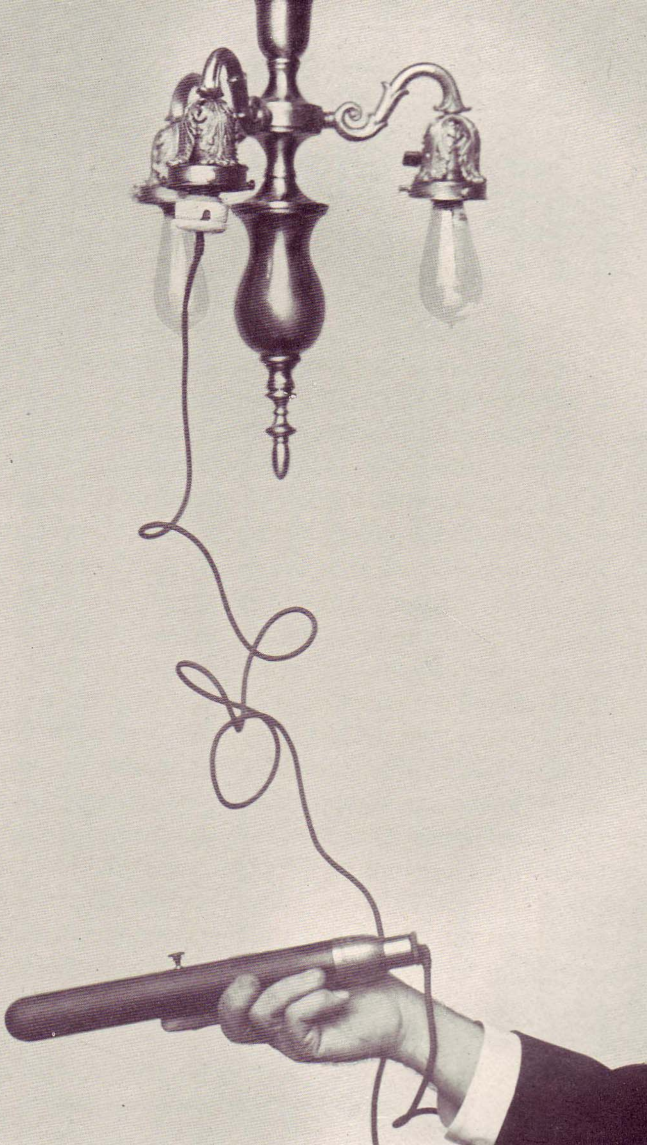


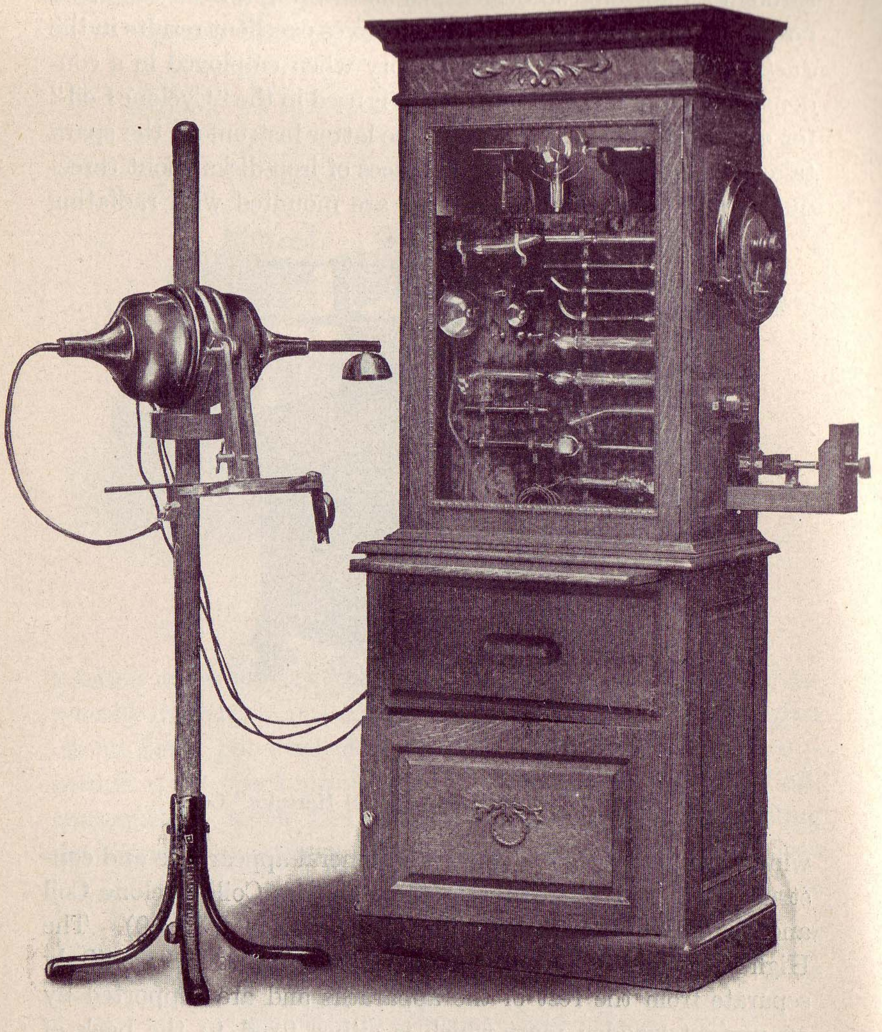
Partic[illegible] view of app[illegible] when in action. Tuned [illegible] respond to the exciting osc[illegible]ons.

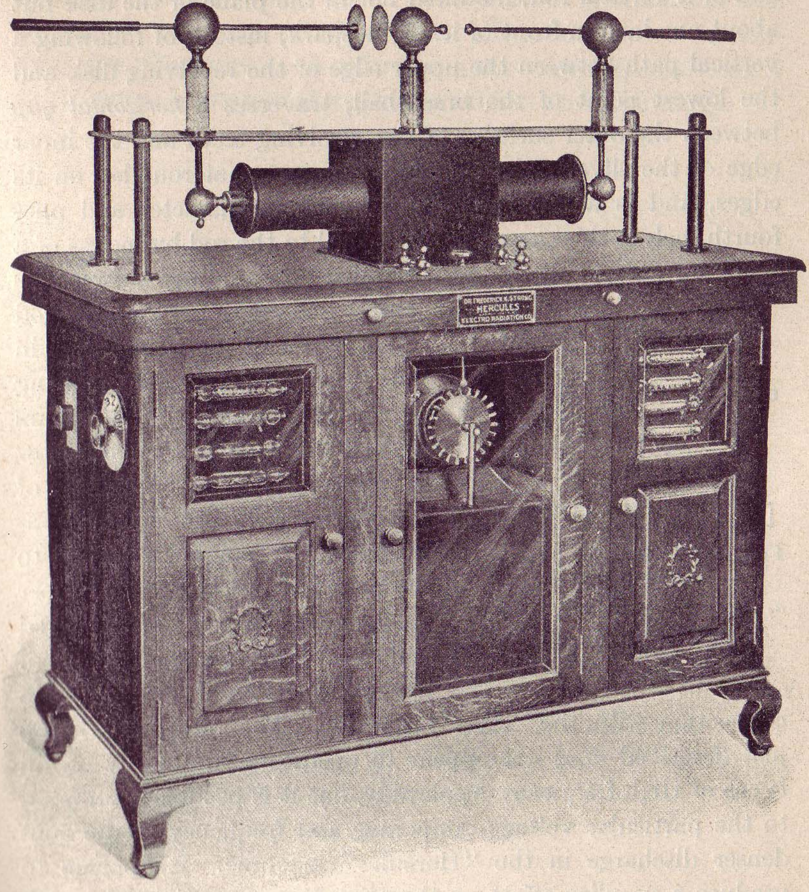


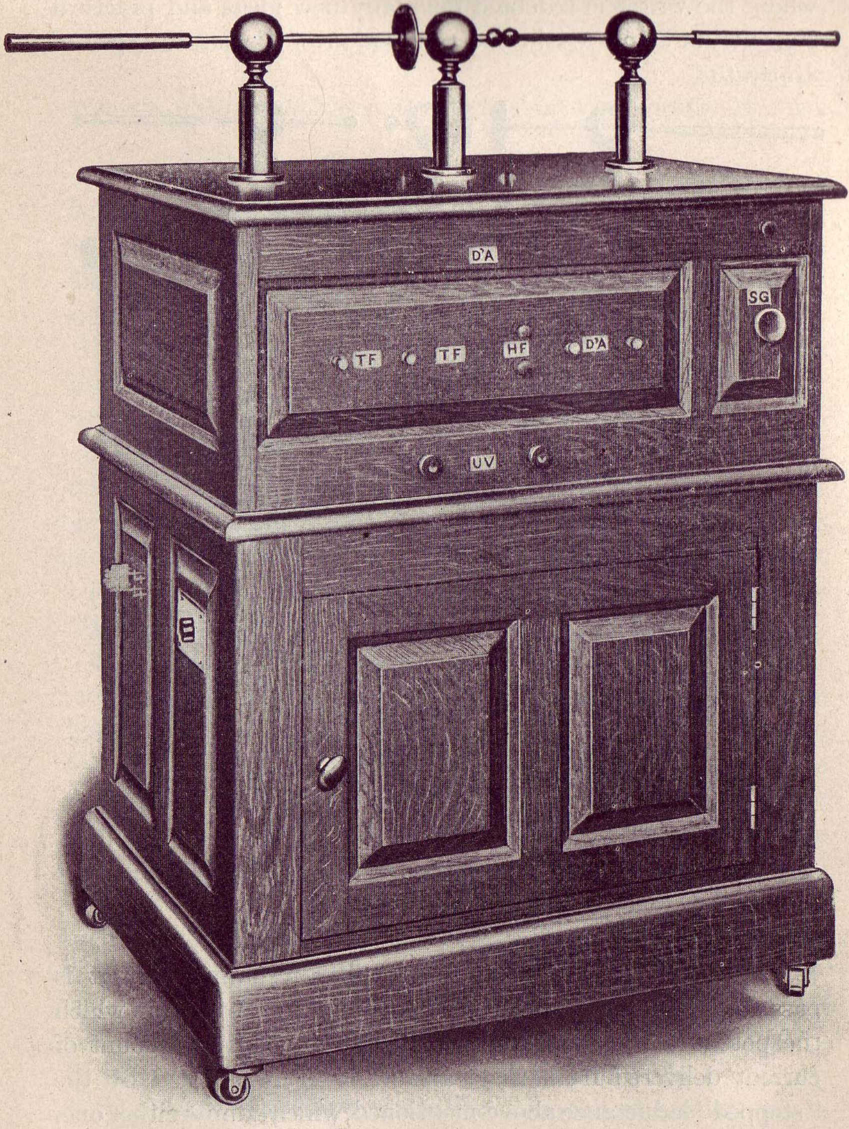









DR FREDERICK F. STRONG
HERCULES
ELECTRO RADIATION CO.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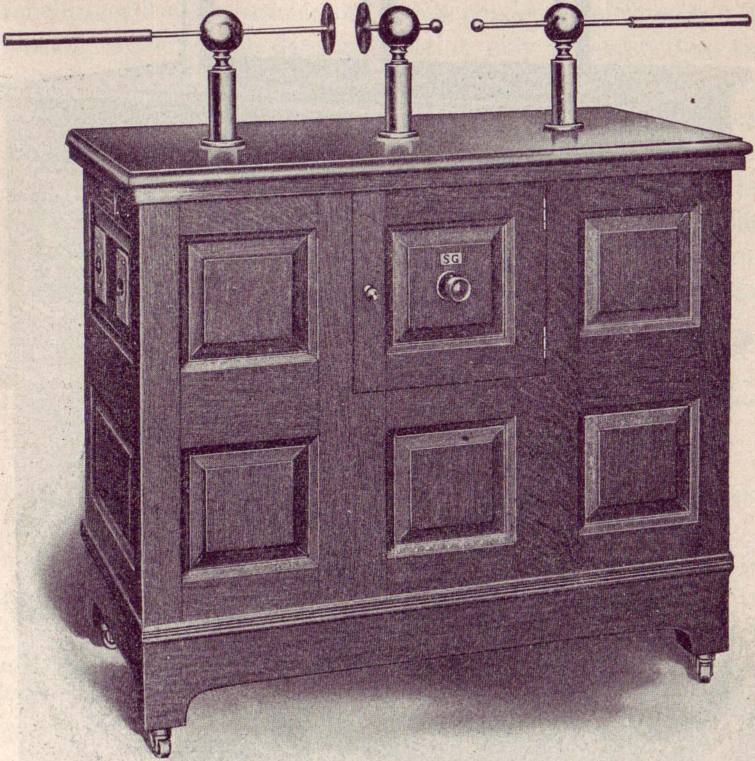
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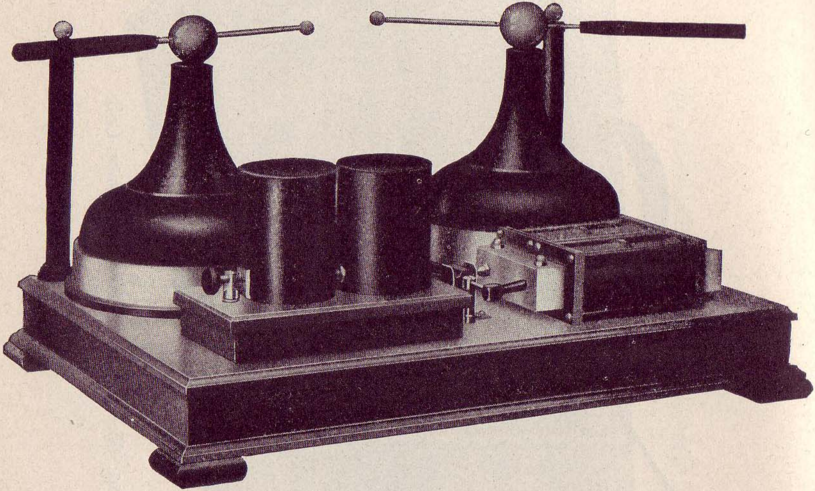
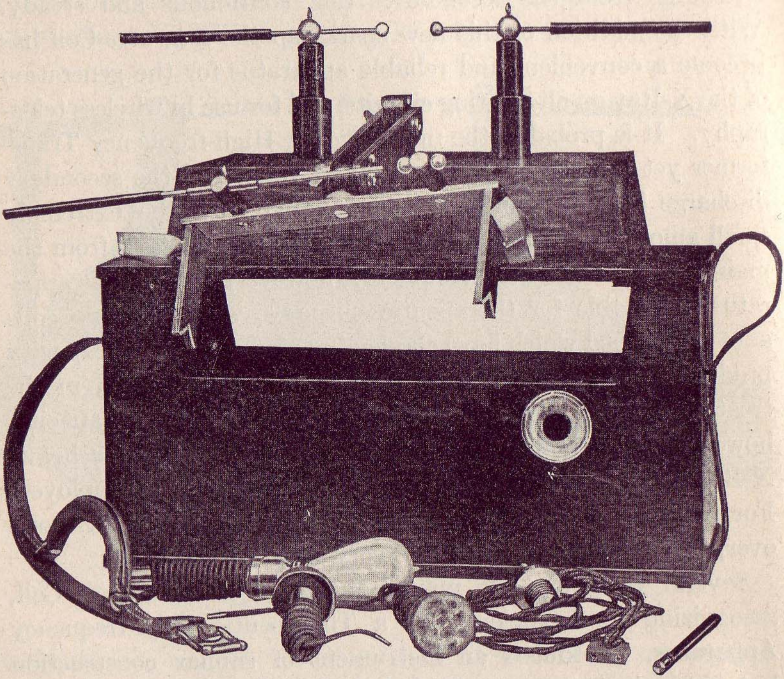
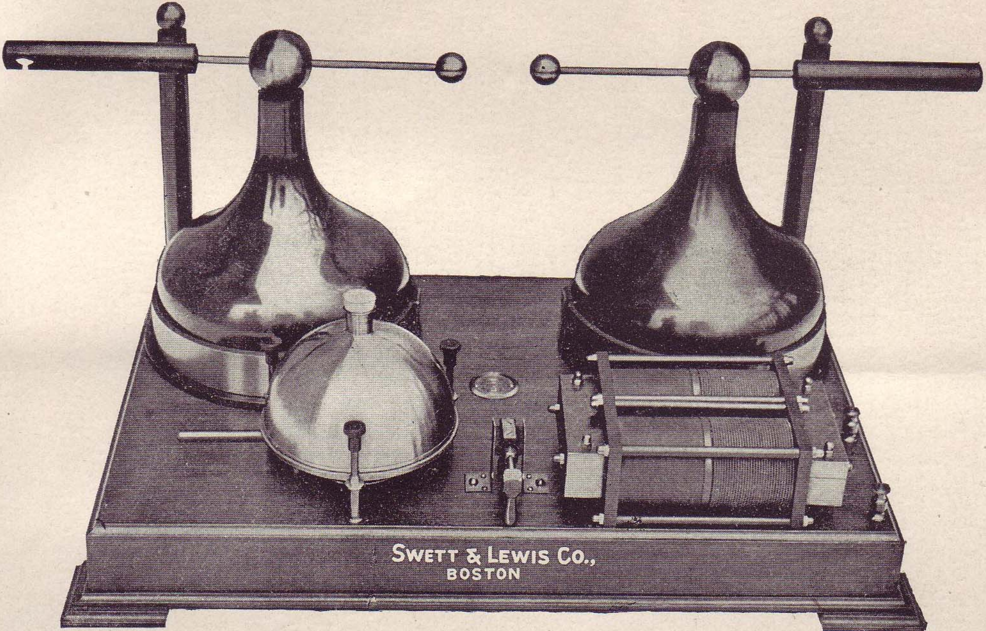
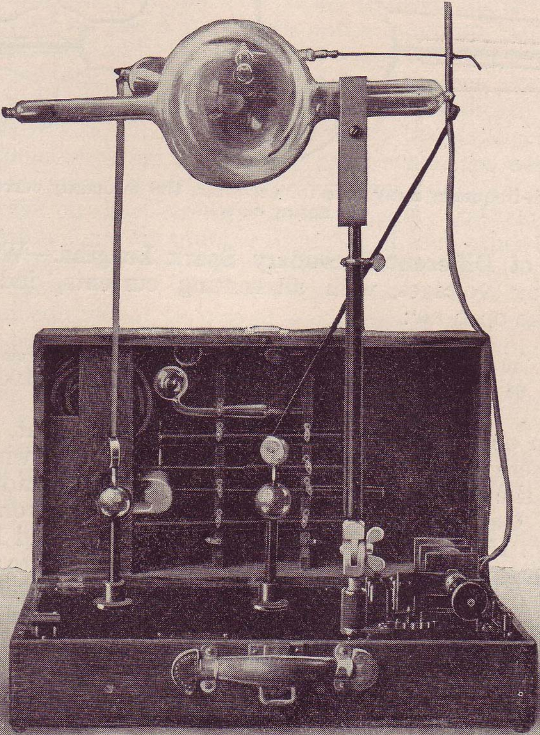
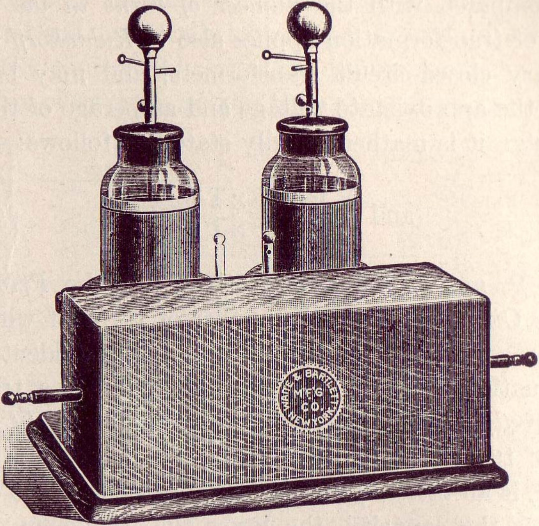
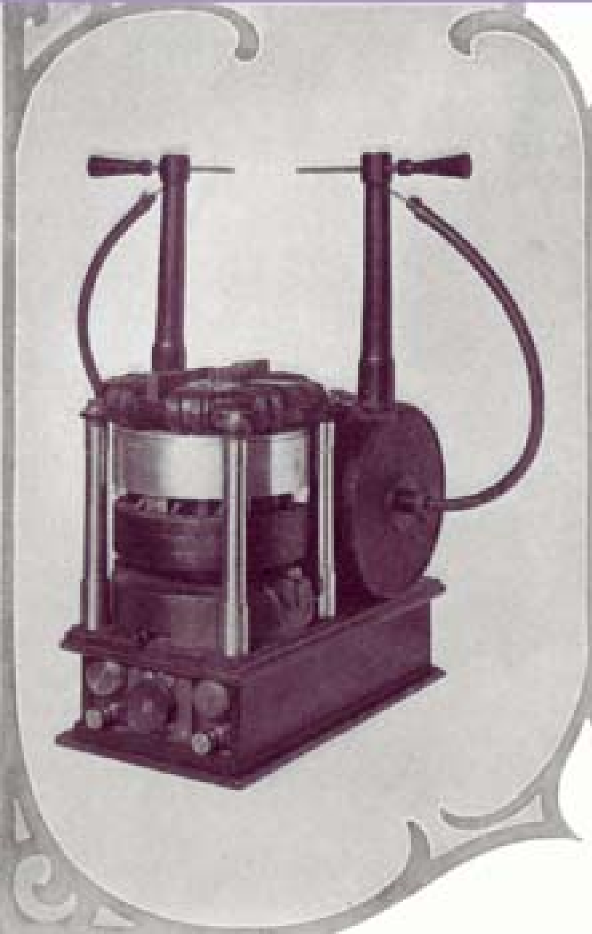


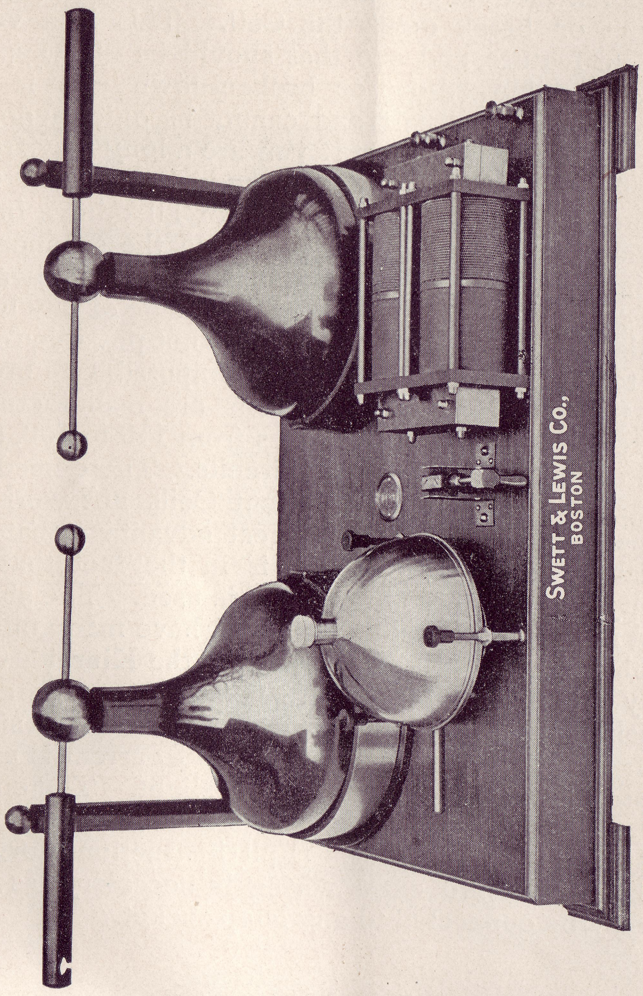



SWETT & LEWIS CO.,
BOSTON




WAITE & BARTLETT
M'F'G
CO.
NEW YORK





THE KINRAIDE HIGH FREQUENCY COIL, ALTERNATING CURRENT

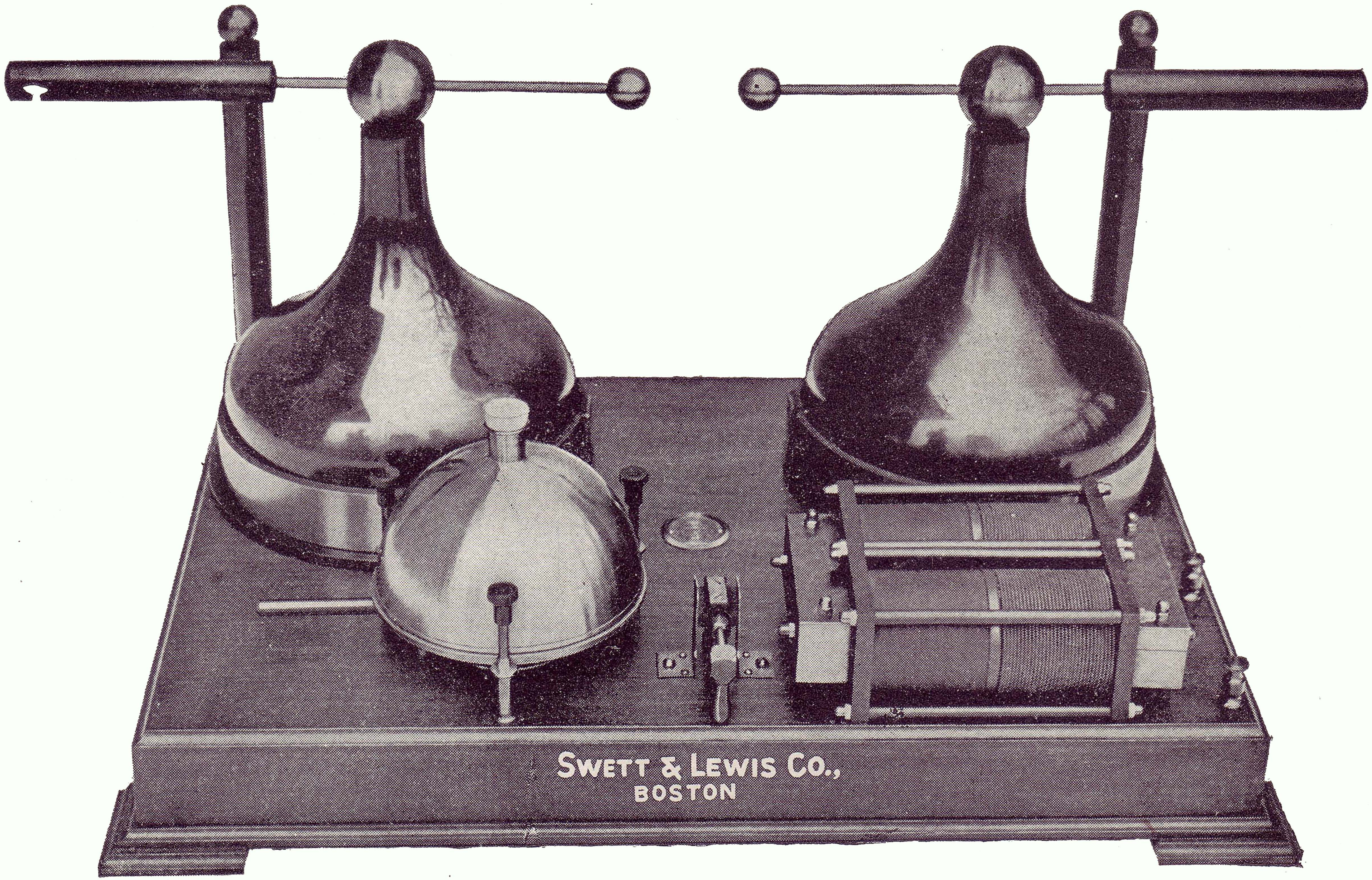
to do the finest kind of X-ray work, both in radiography and X-ray therapy. Another great advantage is that the current generated by the Coil is of the true high frequency variety, making no further piece of apparatus necessary, as this current may be applied direct to the patient, and all of the high frequency effects produced, either by means of vacuum or other electrodes, list of which is given on pages 14 to 16.

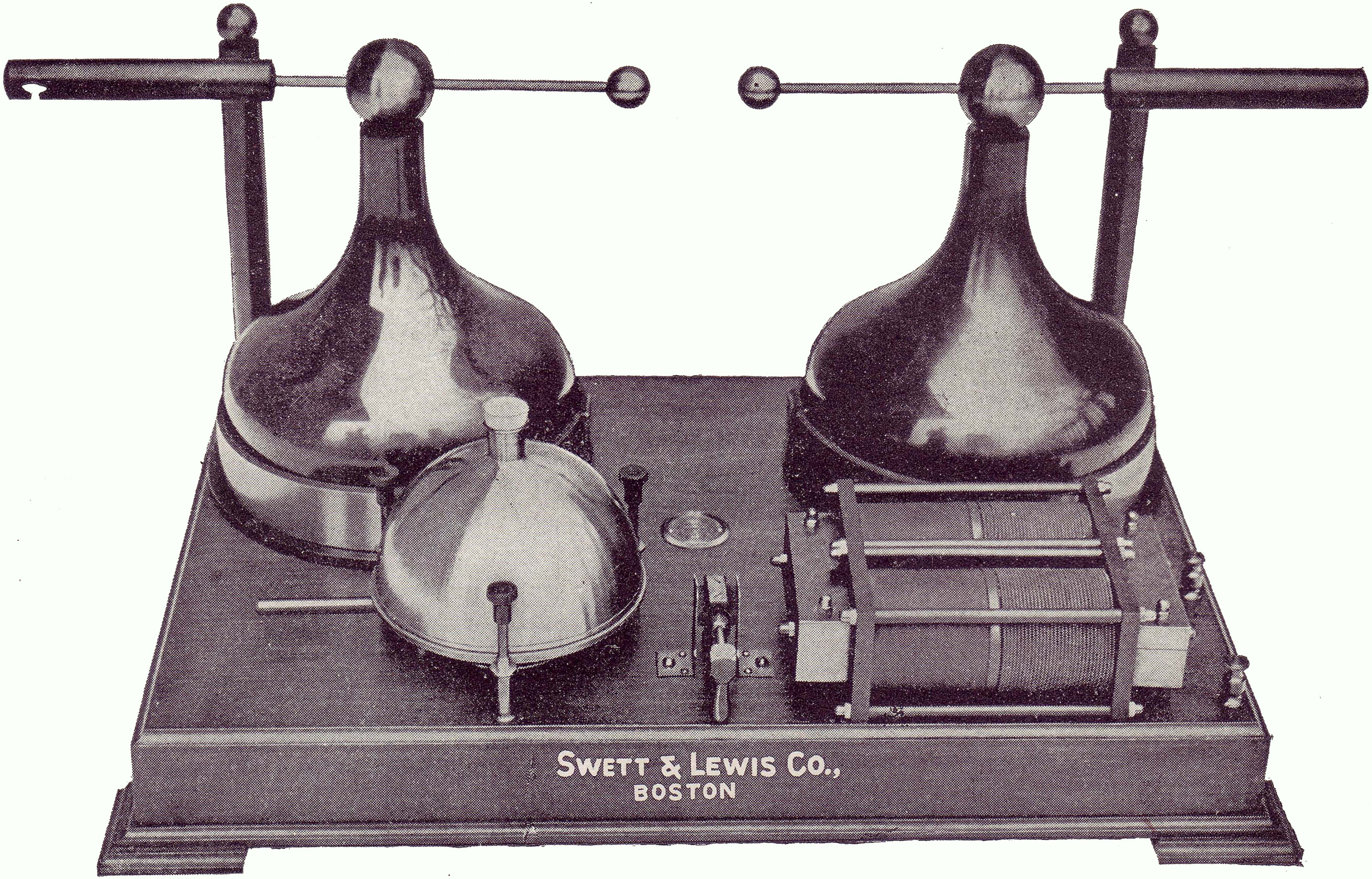
Control

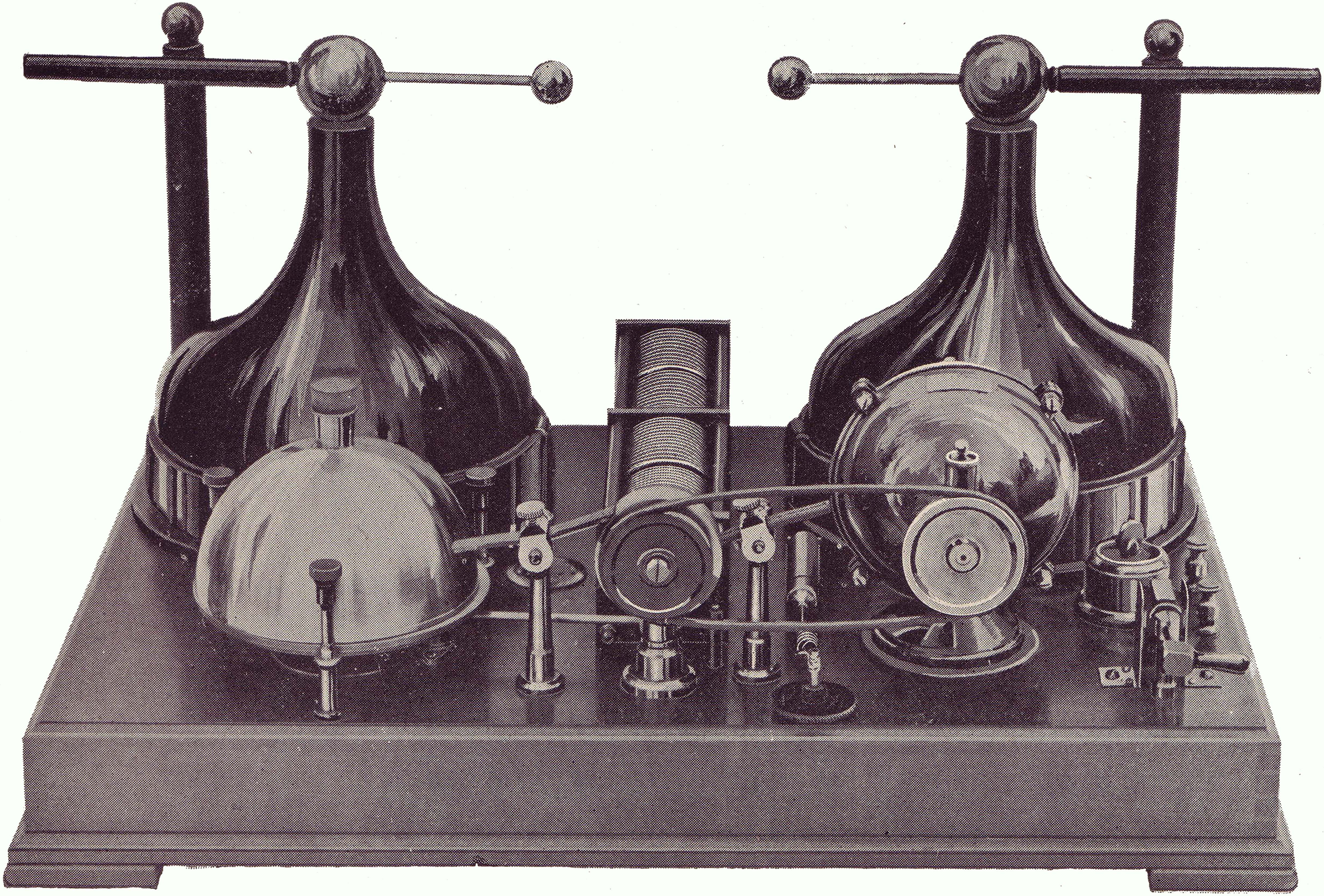
By means of the rheostat, the current drawn from the Coil may be held under the absolute control of the operator, he being able to get anything from a spark about an inch long, and of very small volume, to the entire capacity of the Coil. This rheostat should be used on all Coils, and it is not only a help to the operator when using the vacuum electrodes, but it is of great assistance when manipulating X-ray tubes. The current is under the complete control of the operator at all times, and there is absolutely no danger of giving an unpleasant shock to the patient. The current delivered from the vacuum electrodes is smooth and even, and can be varied at will from the very lightest, which is entirely imperceptible to the patient, to one so strong as to produce the most violent contractions.

Points of Superiority

A few of these points are durability, reliability, simplicity, great power, low price, small cost of operation, portability, readiness for work, and the fact that it is not only a powerful X-ray generator, but also a high frequency machine as well. The combined Coil and Ultra Violet apparatus is the most compact, strongest and most powerful yet invented.


SWETT & LEWIS CO.,
BOSTON

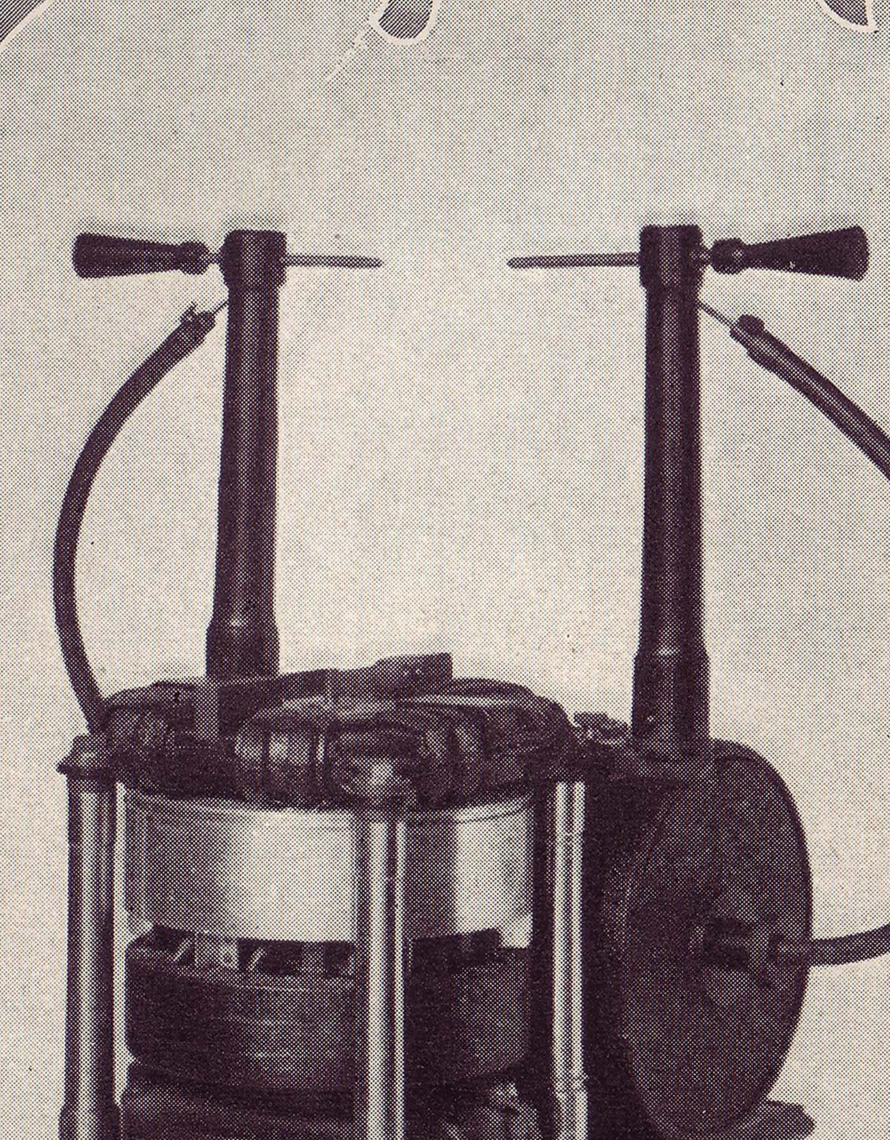

SWETT & LEWIS CO.,
BOSTON



AUTOGRAPH OF
THE JACKSON COIL.

SWETT & LEWIS
COMPANY
BOSTON
MASS

COPYRIGHT 1904 BY SWETT & LEWIS CO.



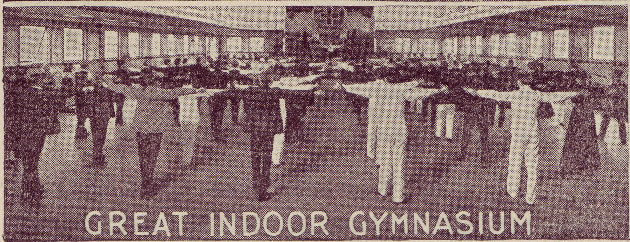
The Battle Creek Sanitarium

WINTER RECREATION

INDOOR PALM GARDEN

ONE OF THE INDOOR SWIMMING POOLS

ON THE PORCH



GREAT INDOOR GYMNASIUM

THE management of this institution was the first to organize and set in operation a thoroughly complete system of physiologic therapeutics. Water-cures had existed before — electric institutes, mineral springs, and similar establishments — but the Battle Creek institution was the first to organize a system and method embodying all physiologic agencies.

Accommodations for eight hundred guests; one hundred and seventy-five rooms with private baths; six hydraulic elevators; electric lights and private telephone in each room.

Spacious parlors and foyers on every floor. Roof-garden, dining-room and kitchen at the top. Spacious indoor gymnasium, outdoor gymnasium, large indoor and outdoor swimming pools, a corps of experienced trainers, country walks and rides daily. Tent colony in summer.

Staff of thirty doctors; two hundred and fifty nurses and attendants.

Forty years' experience in this institution has demonstrated that the great majority of chronic invalids, of all classes, including many considered incurable, may be trained up to a state of healthy vigor by a systematic regimen based upon scientific principles, combined with a thorough application of the resources of hydrotherapy, phototherapy, thermotherapy, massage, Swedish movements, Swedish gymnastics, electrotherapy and the open air treatment, guided by the exact findings of bacteriological, chemical, microscopical and other accurate methods of examination and pathologic research.

Excellent results are obtained in the various gynecological diseases, chronic indigestion, constipation, enteroptosis, pernicious and other forms of anemia, obesity, neurasthenia, hysteria, and chronic malarial infection. Good results are also often obtained in cases of locomotor ataxia, paralysis agitans, chronic nephritis, chronic myelitis, multiple neuritis and other nervous affections, exophthalmic goitre, cardiac dropsy, infectious jaundice, gout and chronic rheumatism.

Special ward for surgical cases with perfect appointments and special departments for diseases of the eye, ear, nose and throat in charge of experienced specialists.

We would be pleased to mail you our booklet which tells the story in pictures and brief interesting description of the Battle Creek Sanitarium and its methods.

ADDRESS

THE SANITARIUM,

Box 65, BATTLE CREEK, MICH.

COUPON.

Name..............................

Street..............................

City..............................

State..............................

....

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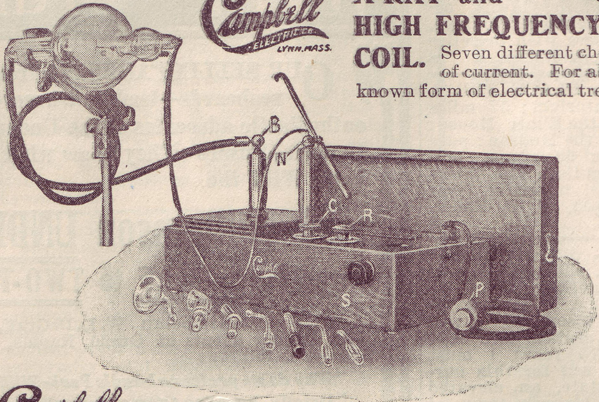
LYNN, MASS.



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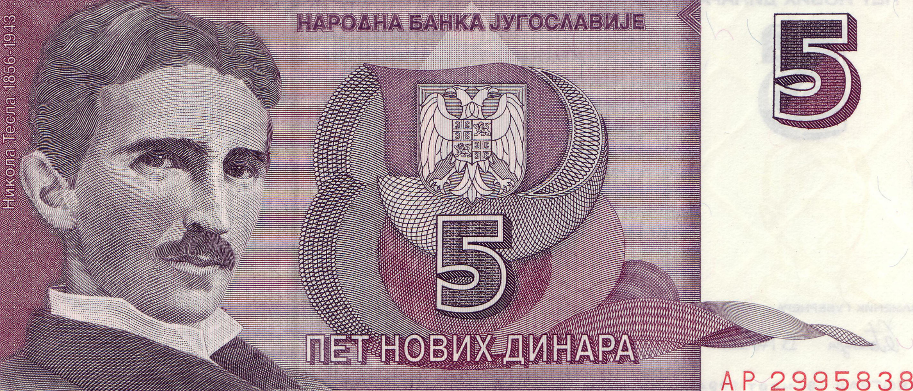
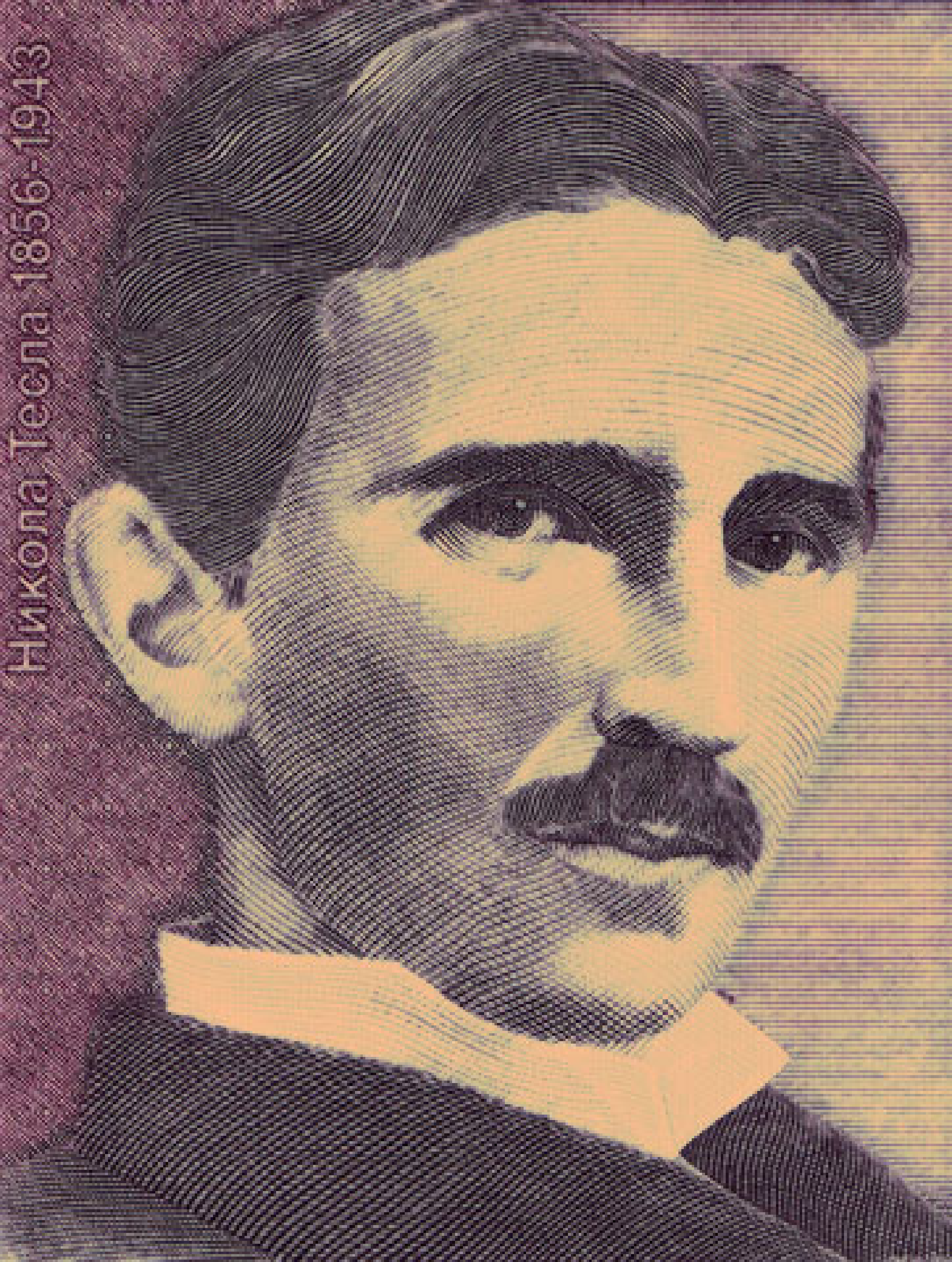
Sign, tear off and mail above coupon. We will send you our unusual proposition, showing you how one of our outfits can be procured by you with practically no investment on your part.

Sign and Mail NOW

Campbell Electric Co.
LYNN, MASS.

CAMPBELL ELECTRIC CO., MAIN OFFICES AND FACTORY, LYNN, MASS.
BRANCH OFFICES: NEW YORK: 110 E. 23rd St. PHILADELPHIA: 321 Mint Arcade


НАРОДНА БАНКА ЈУГОСЛАВИЈЕ
Никола Тесла 1856-1943
5
5
ПЕТ НОВИХ ДИНАРА
AP 2995838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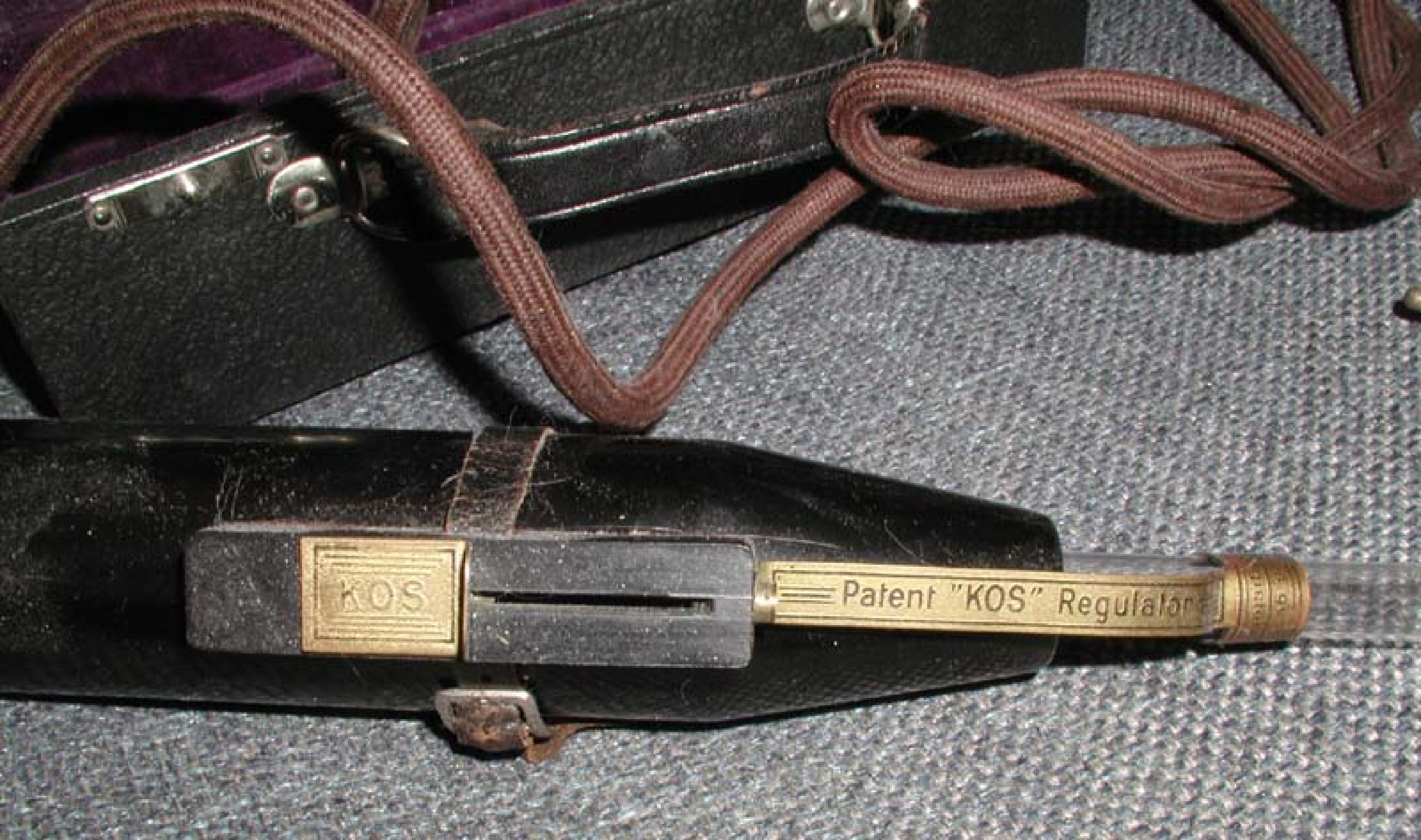
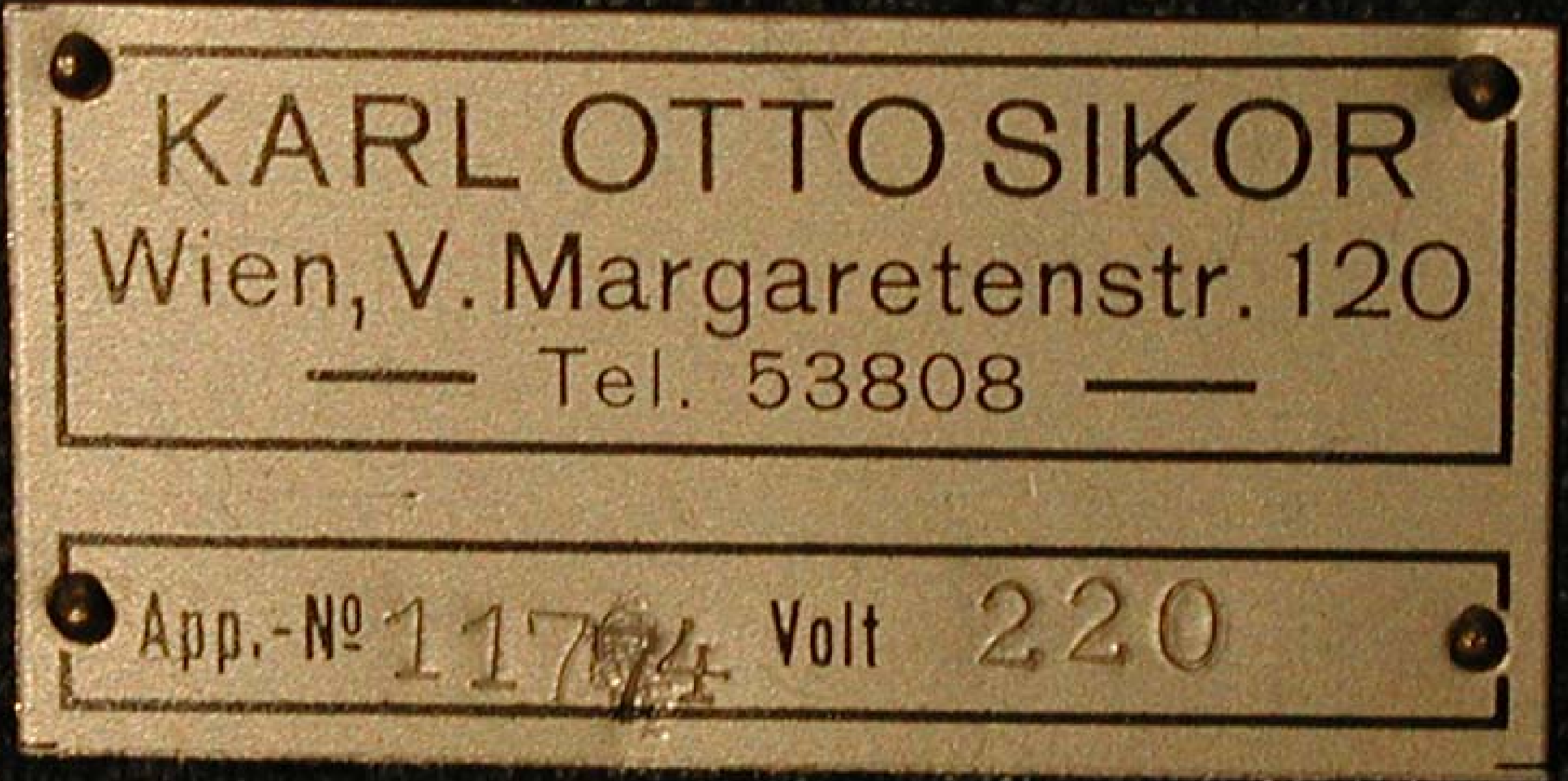
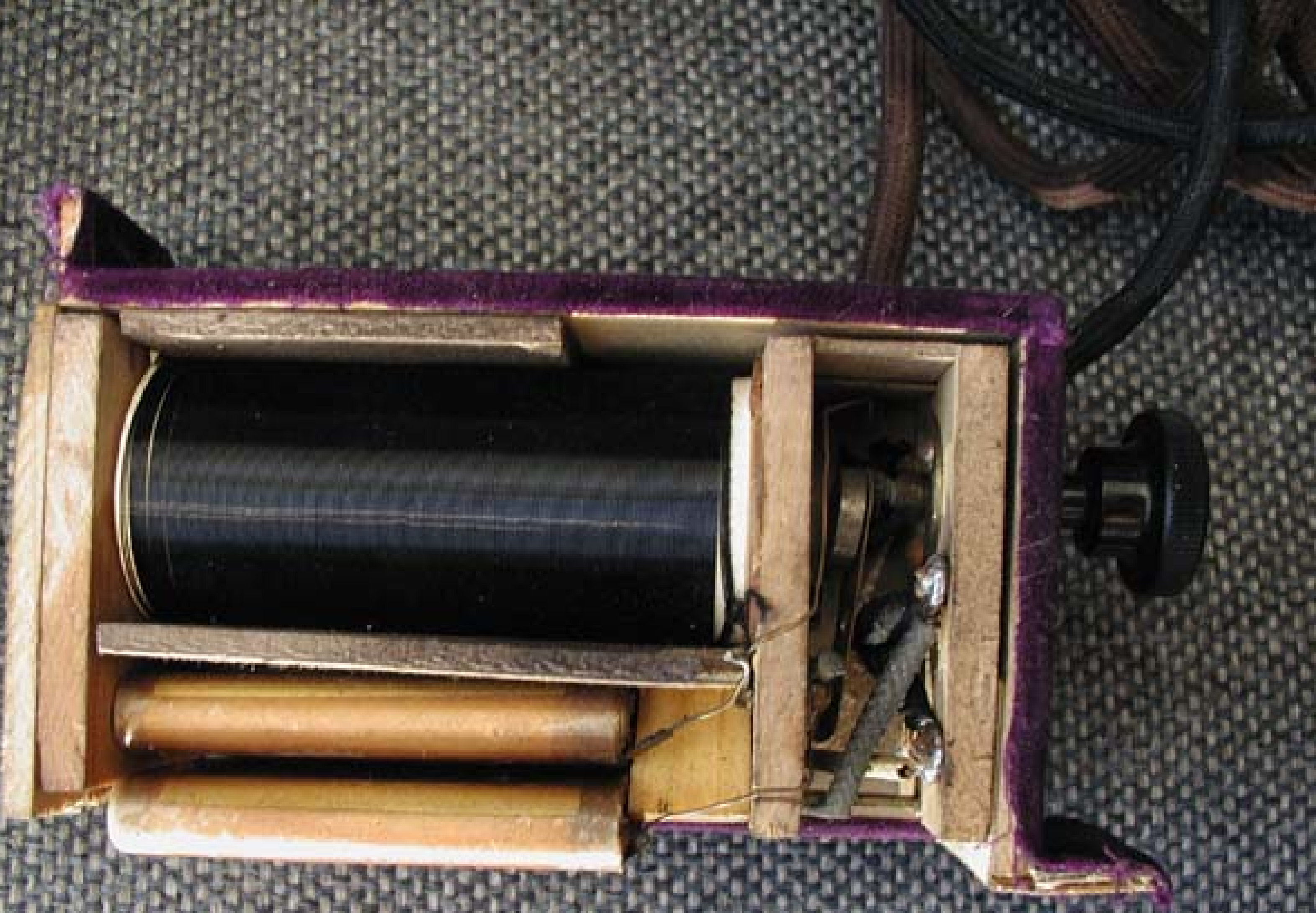

KOS
Patent "KOS" Regulator



KARL OTTO SIKOR
Wien, V. Margaretenstr. 120
— Tel. 53808 —

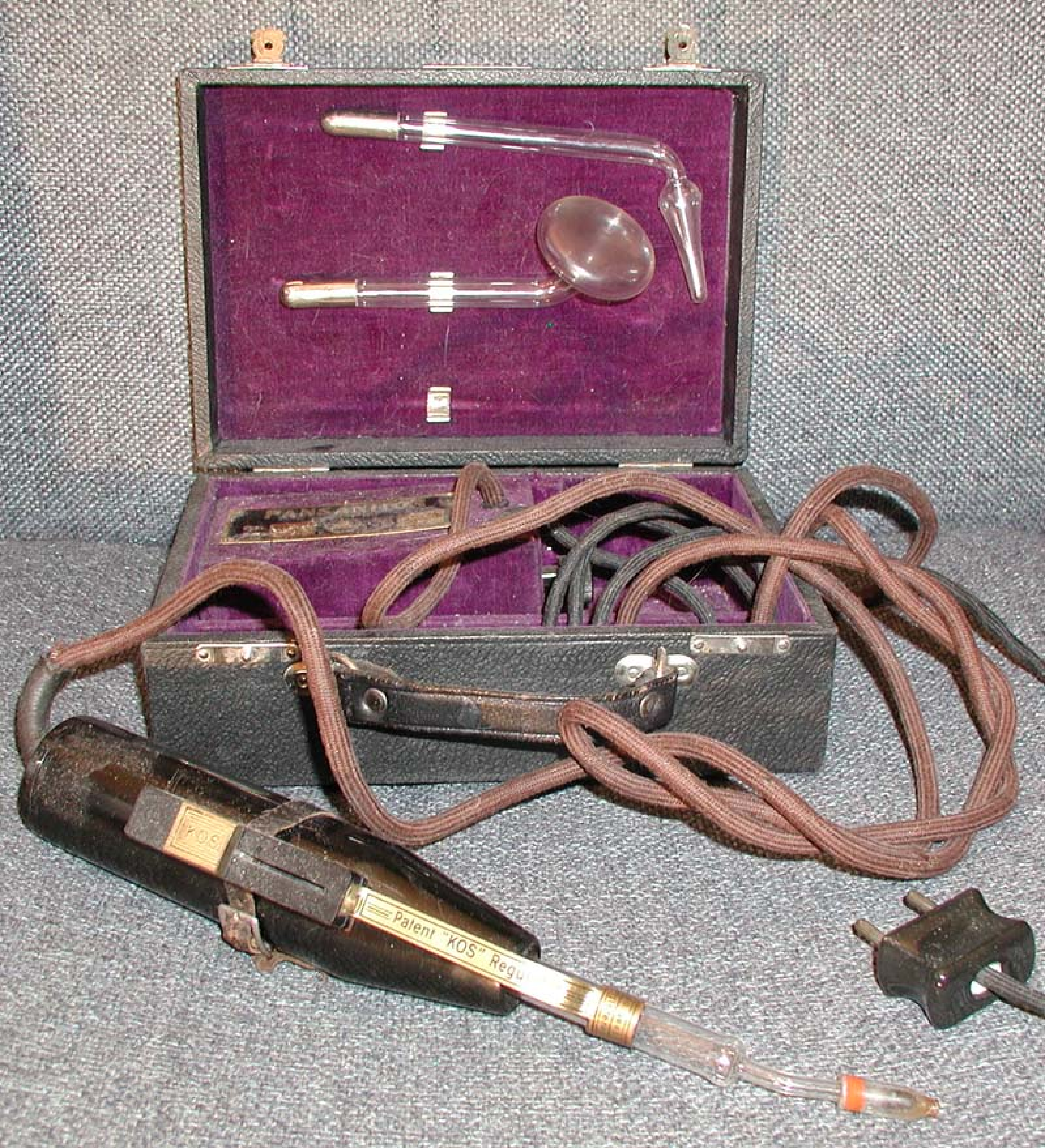
App.-№ 11794 Volt 220

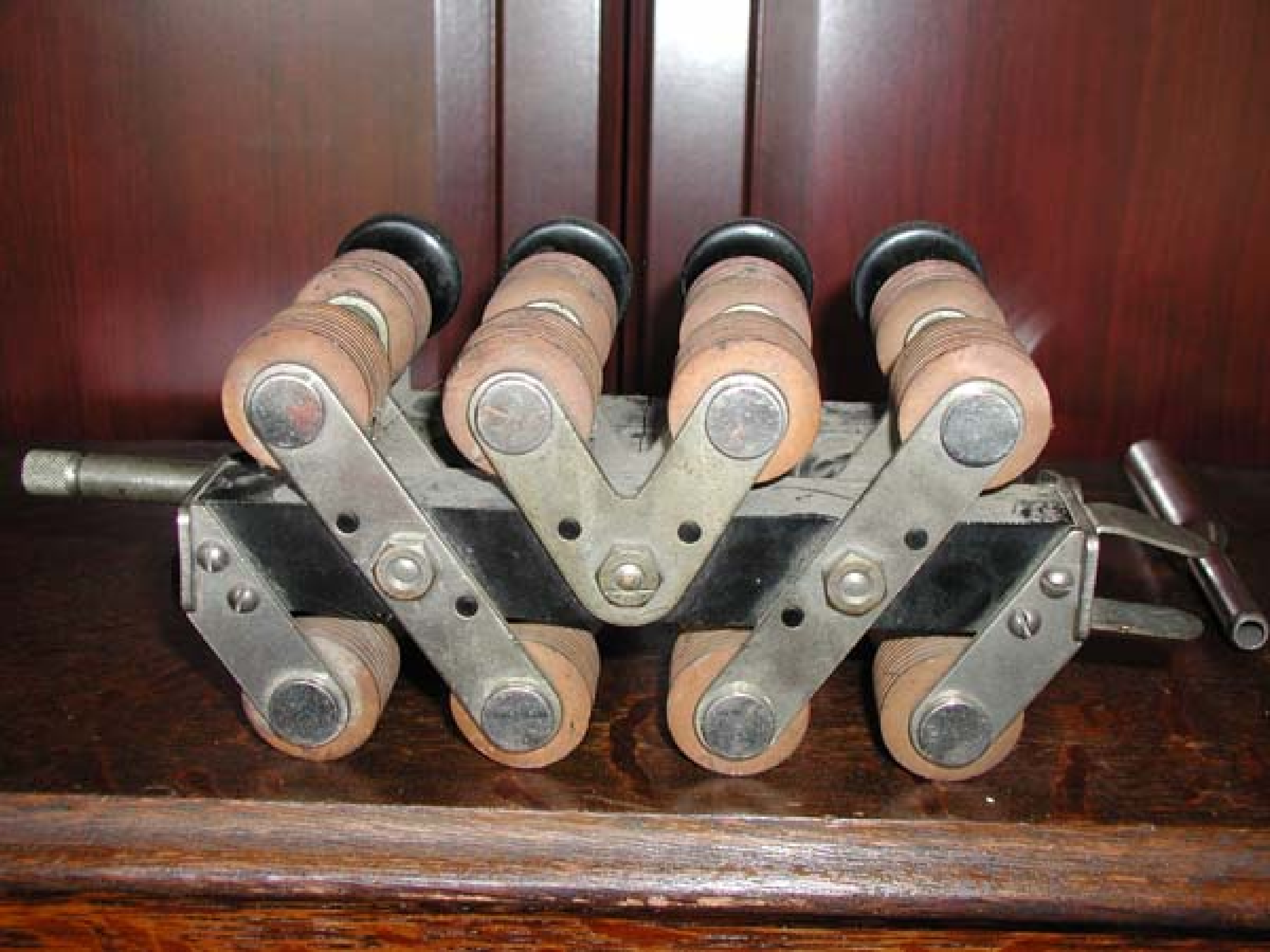


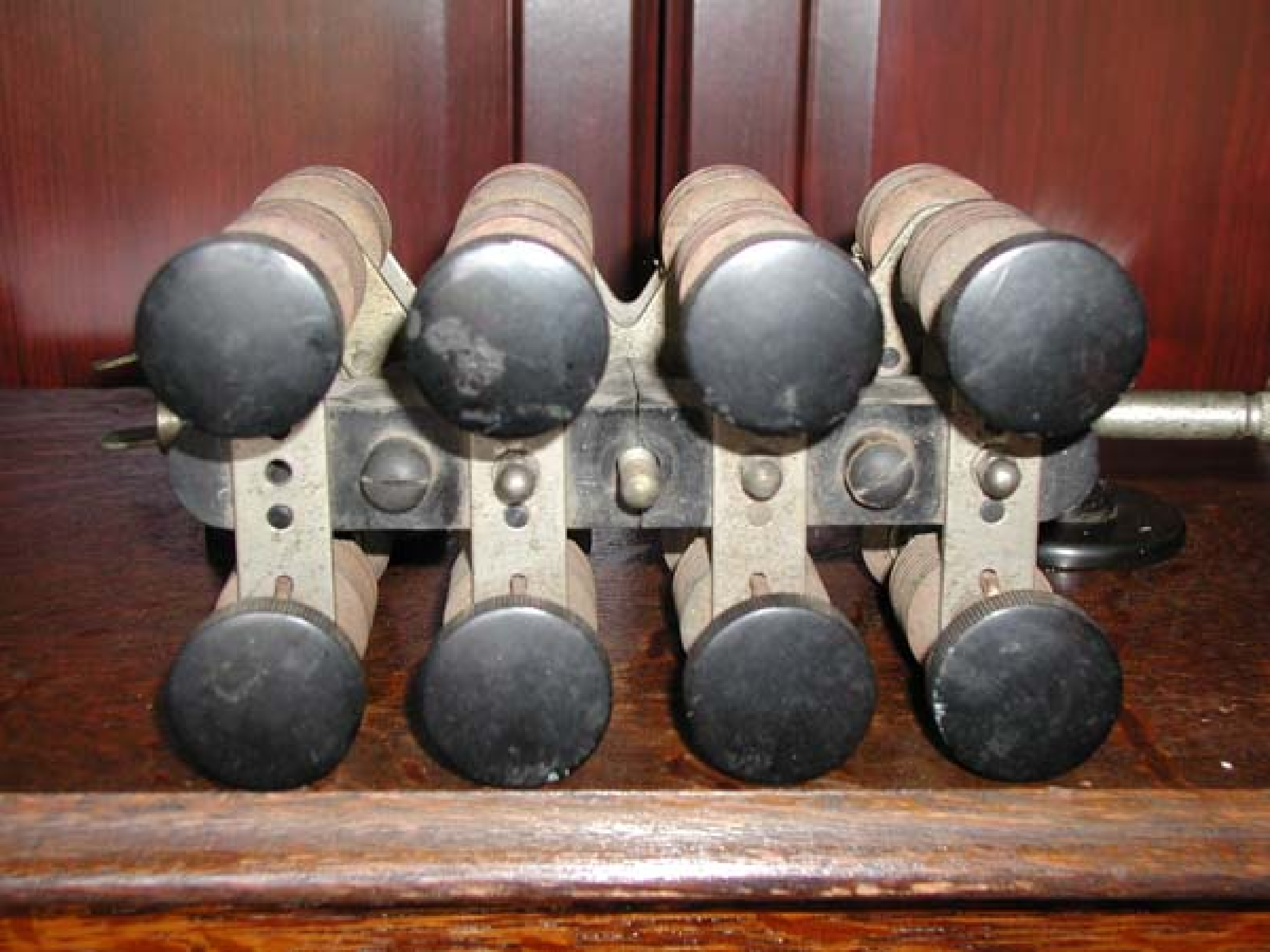
PANSANITOR
Made in Germany
Gepr.
Volts
Type
No

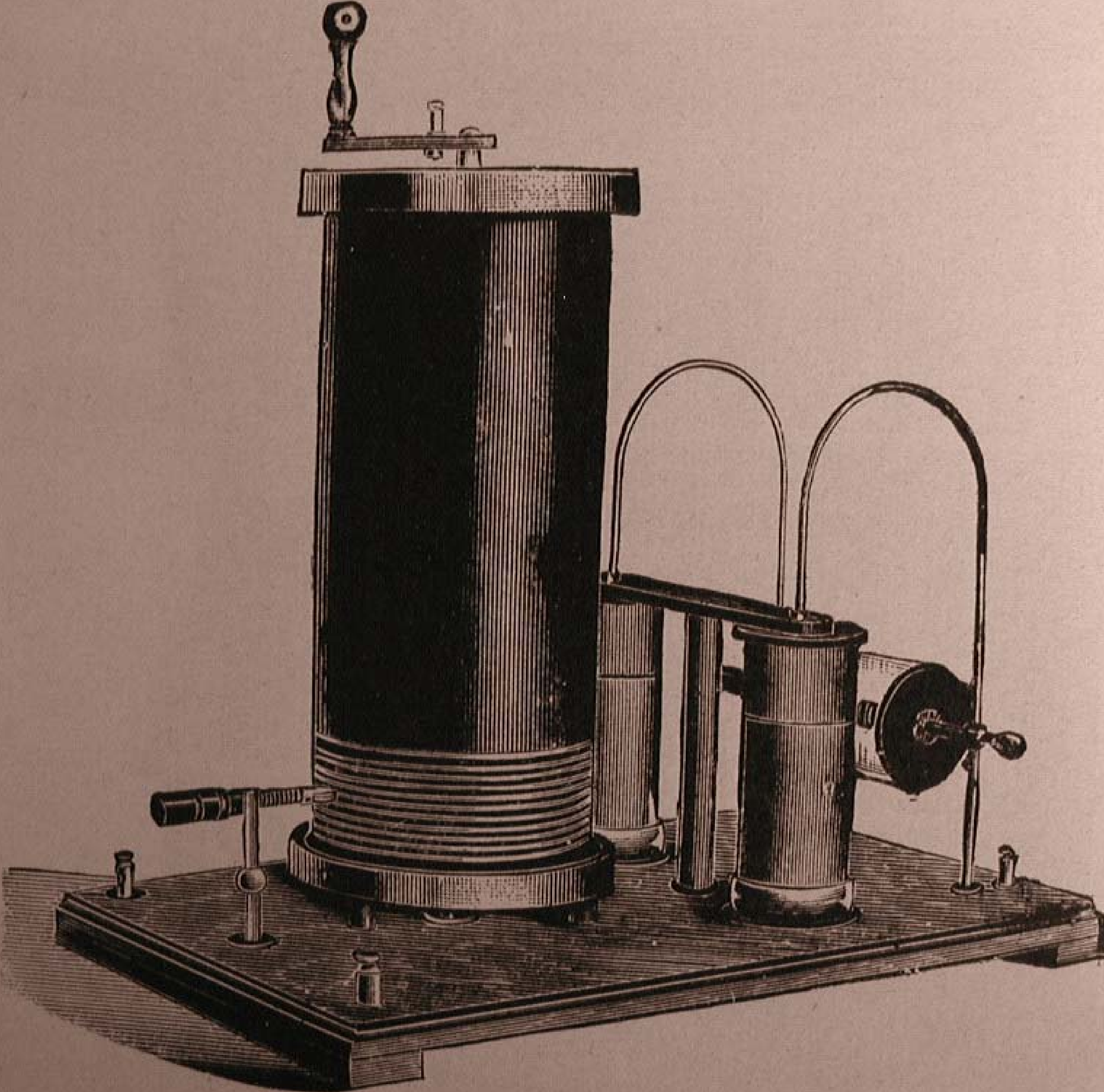
PANSANITOR

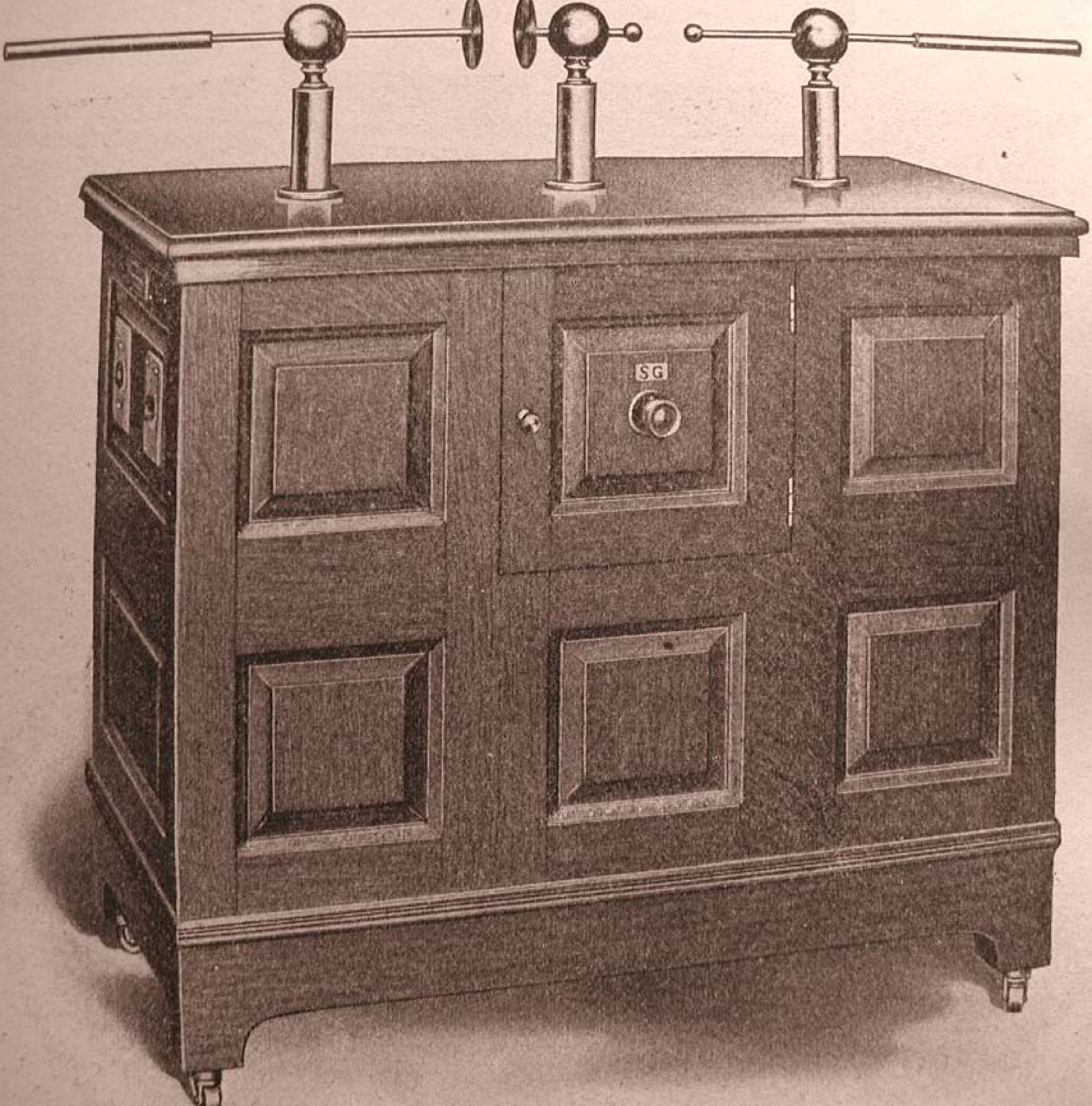
Made in Germany


KOS
Patent "KOS" Regu





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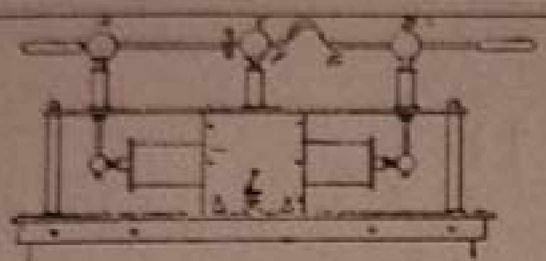


Fig. 1.

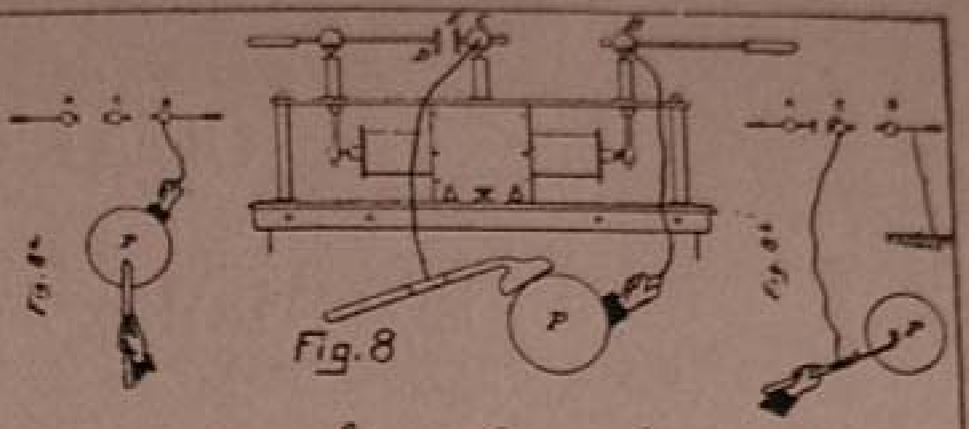


Fig. 8

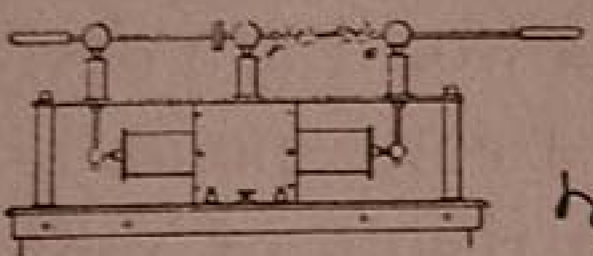


Fig. 2

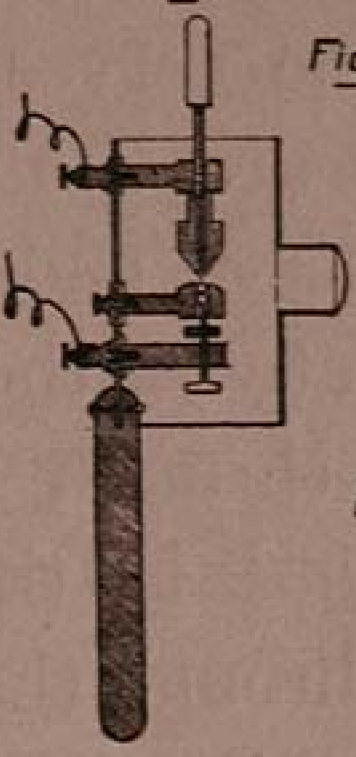


Fig. 15

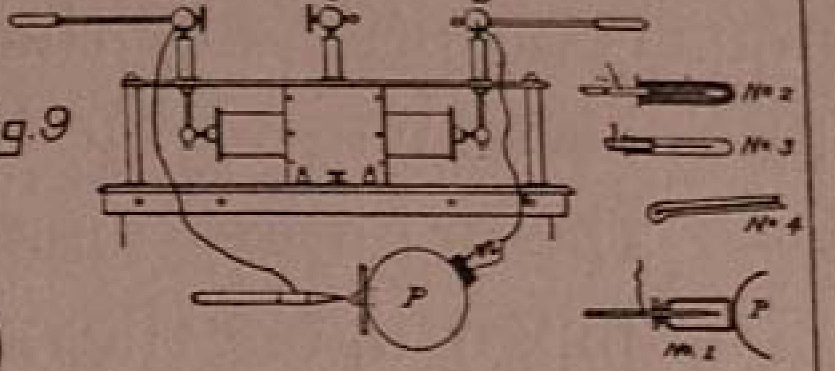


Fig. 9
A
C
B
P
No 2
No 3
No 4
No 1
P

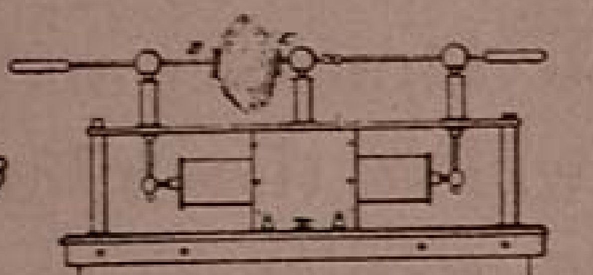


Fig. 3

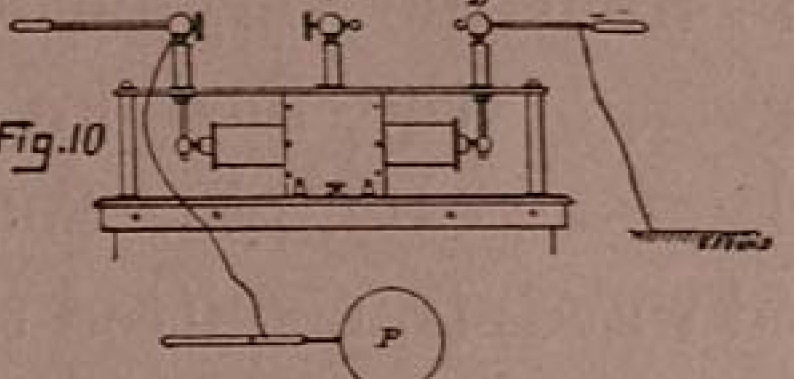
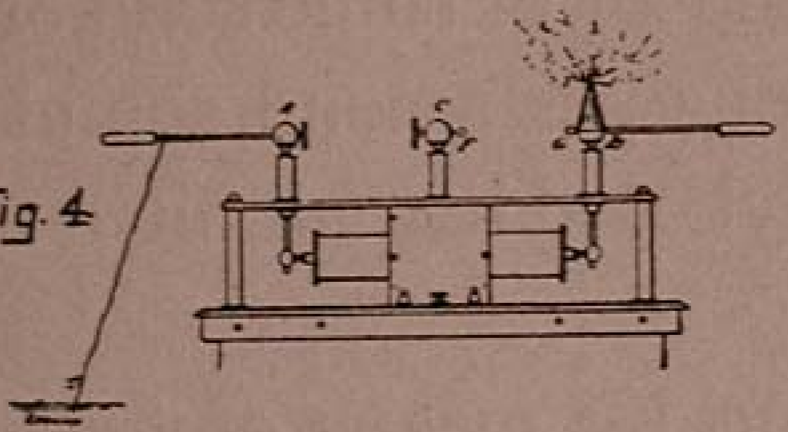


Fig. 10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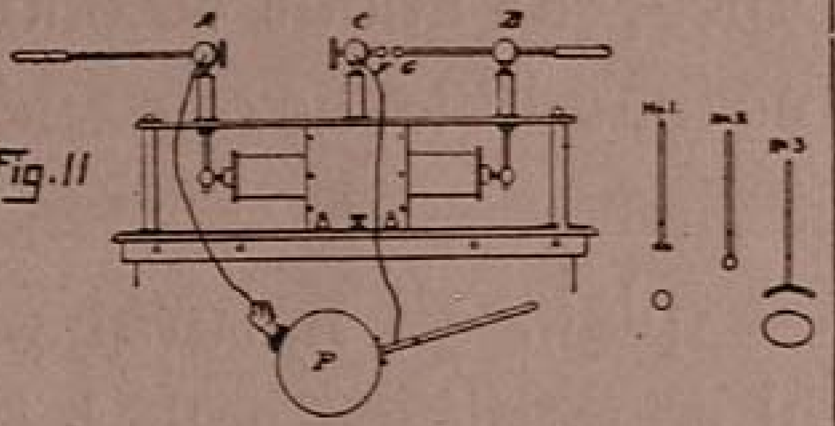


Fig. 11
A
C
B
P
No 1
No 2
No 3

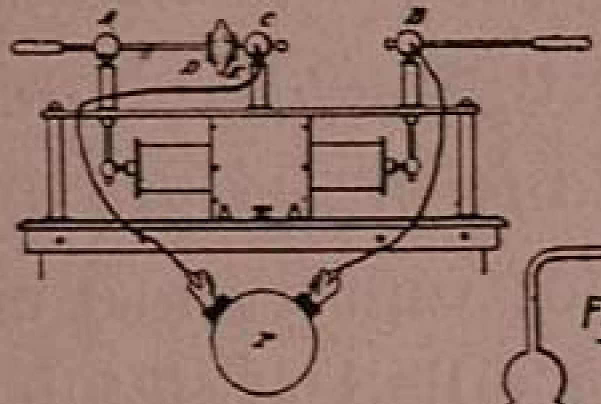


Fig. 5

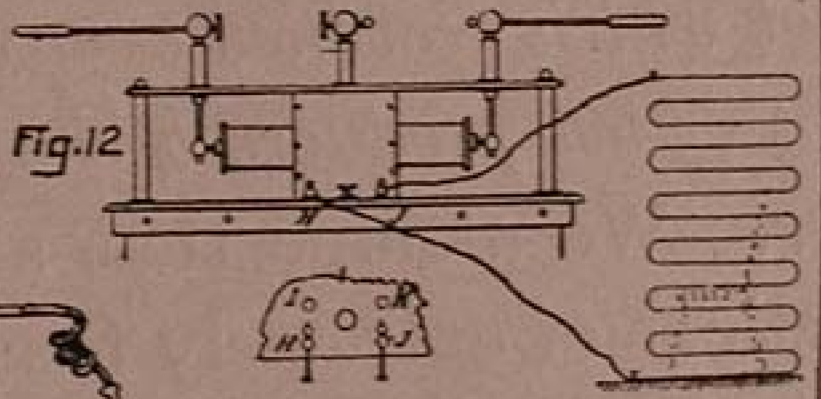


Fig. 12

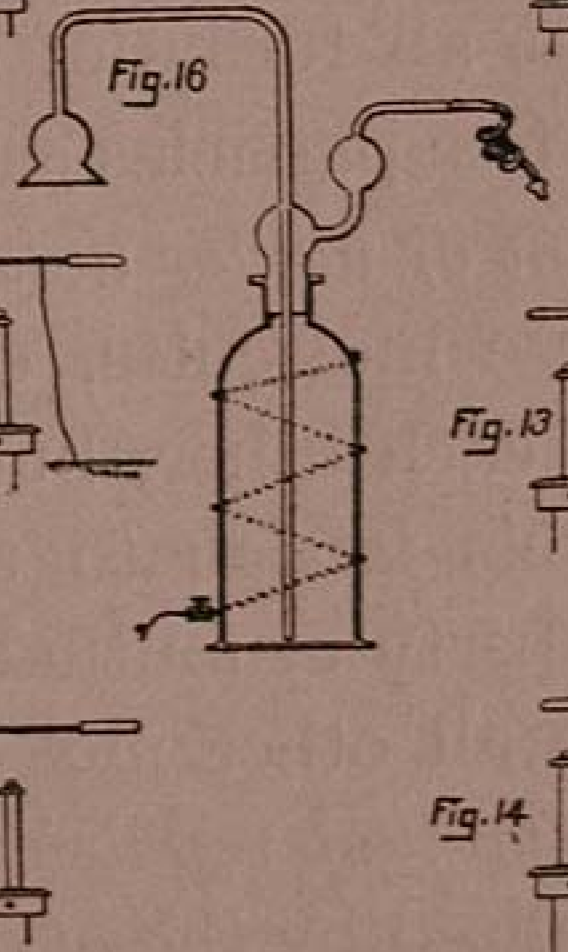


Fig. 16

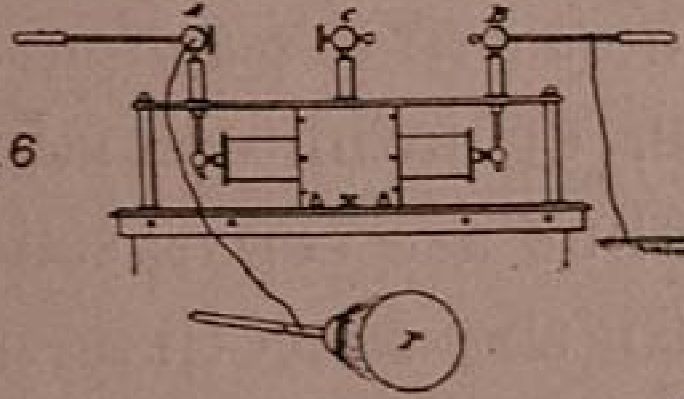


Fig. 6

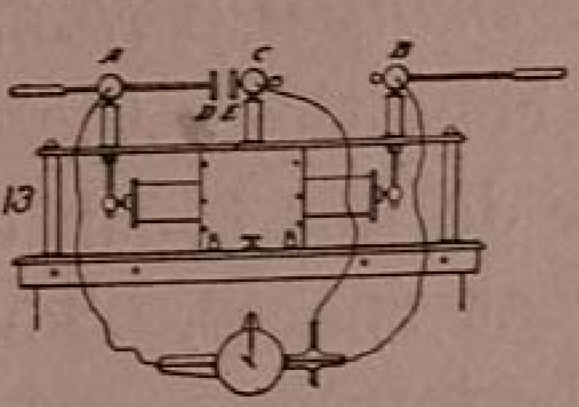


Fig. 13

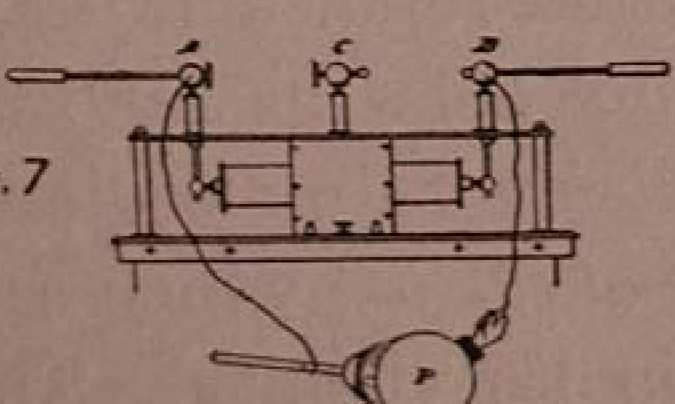


Fig. 7

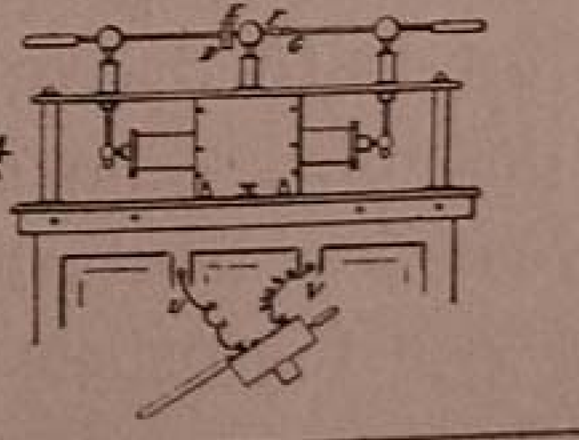
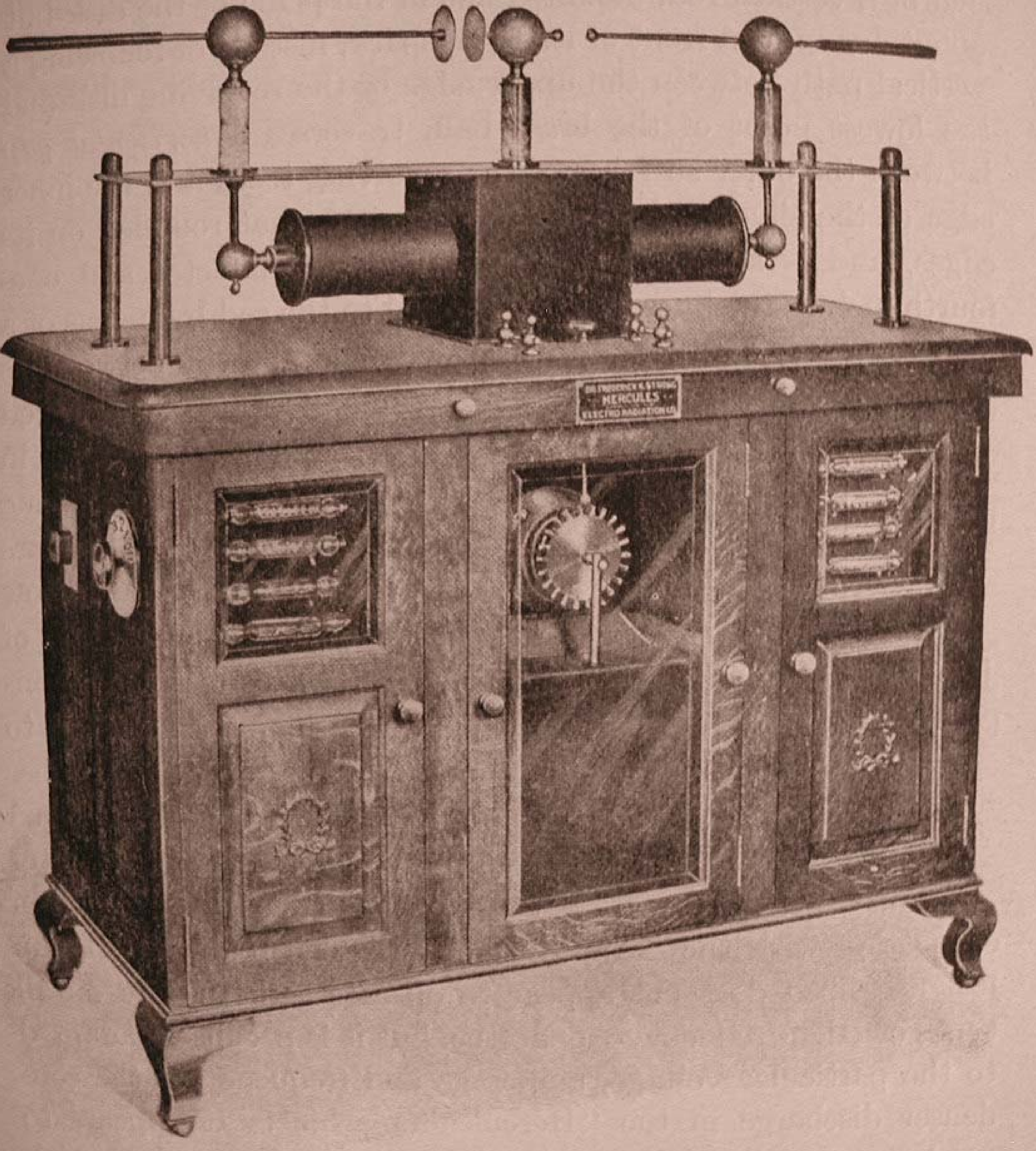
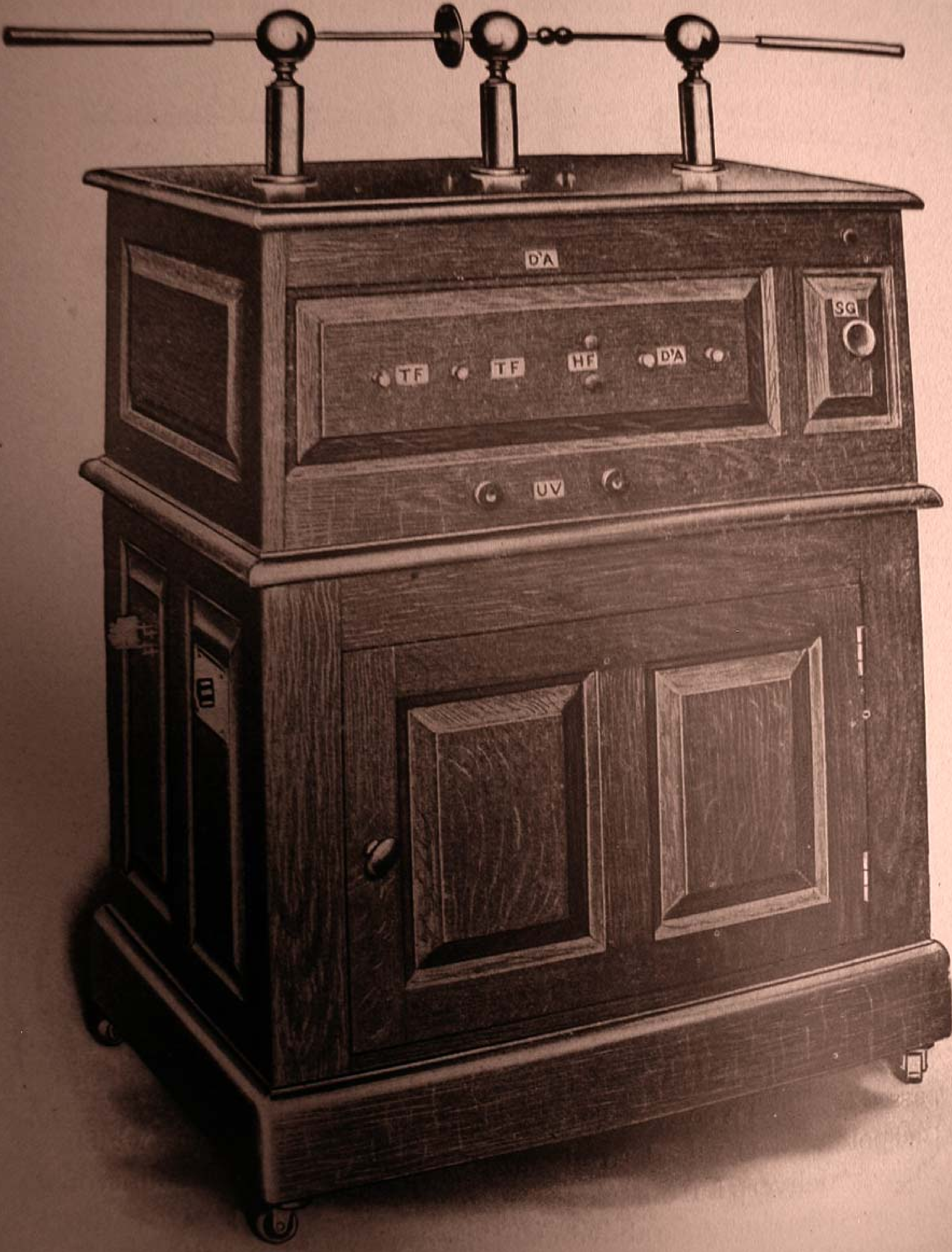


Fig. 14


HERCULES
ELECTRO RADIATION CO.


D'A
SG
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TF
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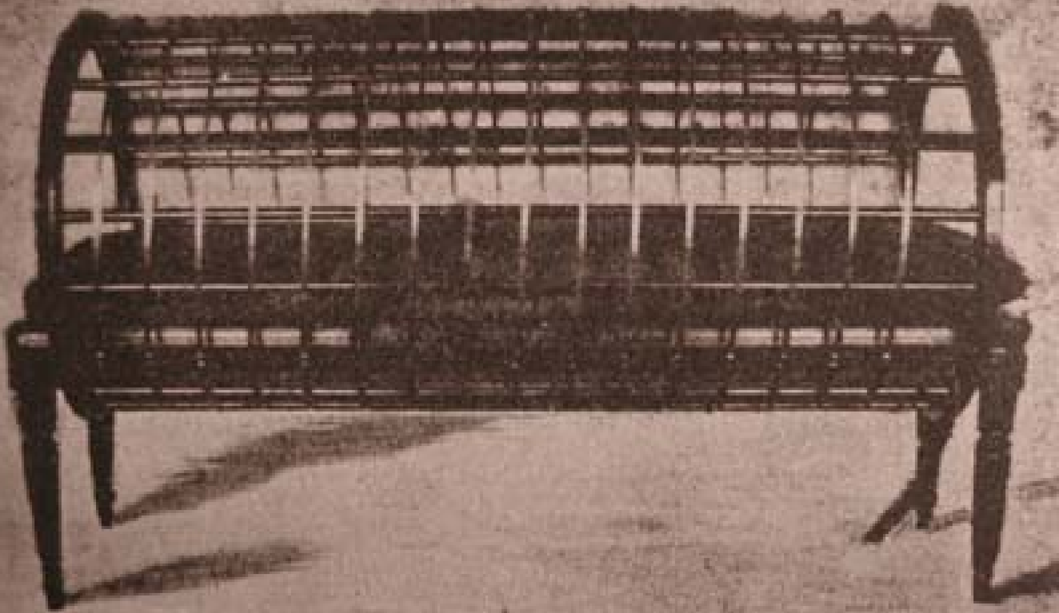
D'A
UV



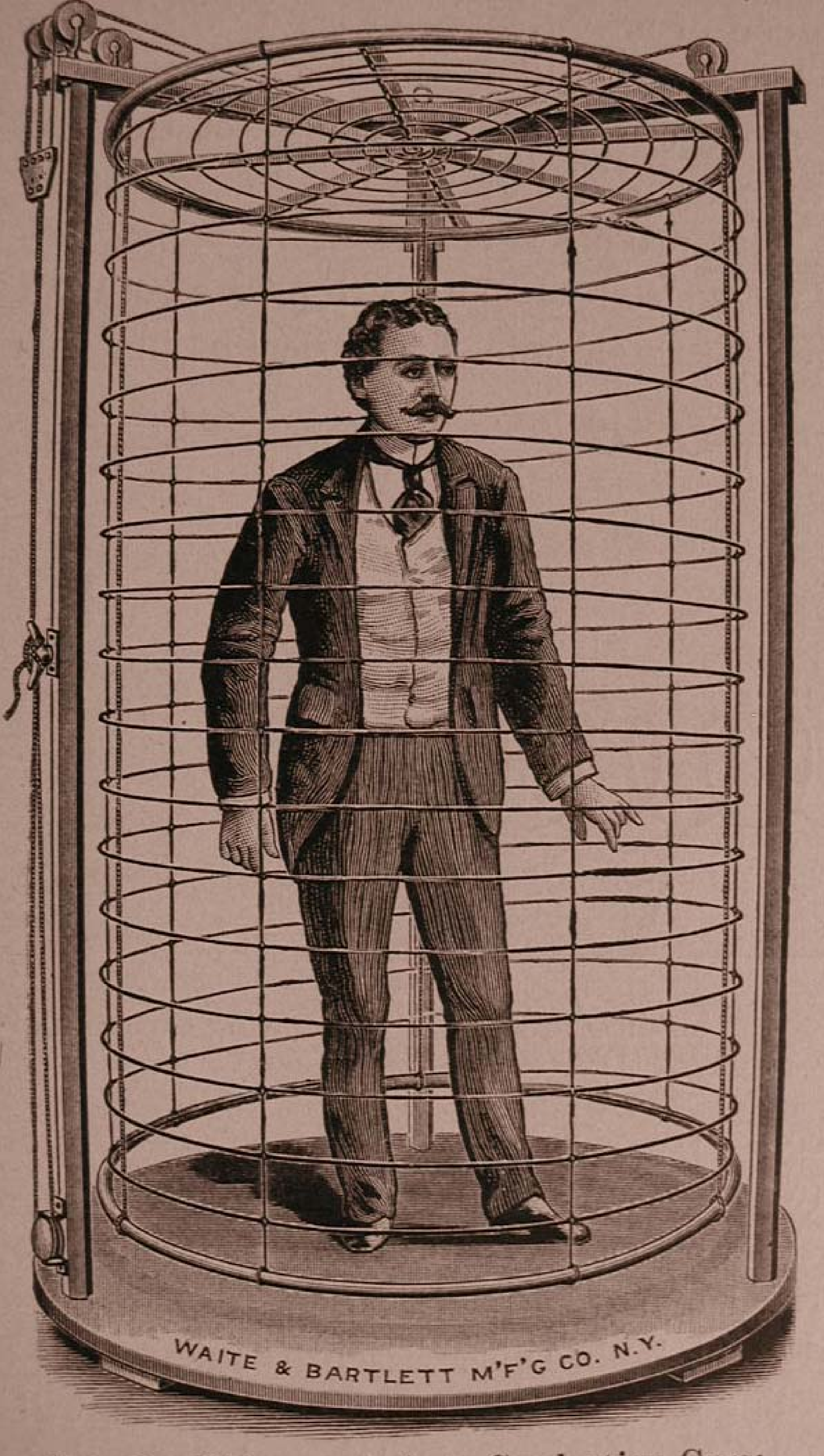

WAITE & BARTLETT M'F'G CO. N.Y.

FIG. 2.—D'Arsonval Auto-Conduction Cage; Upright Form. (Piffard's.)

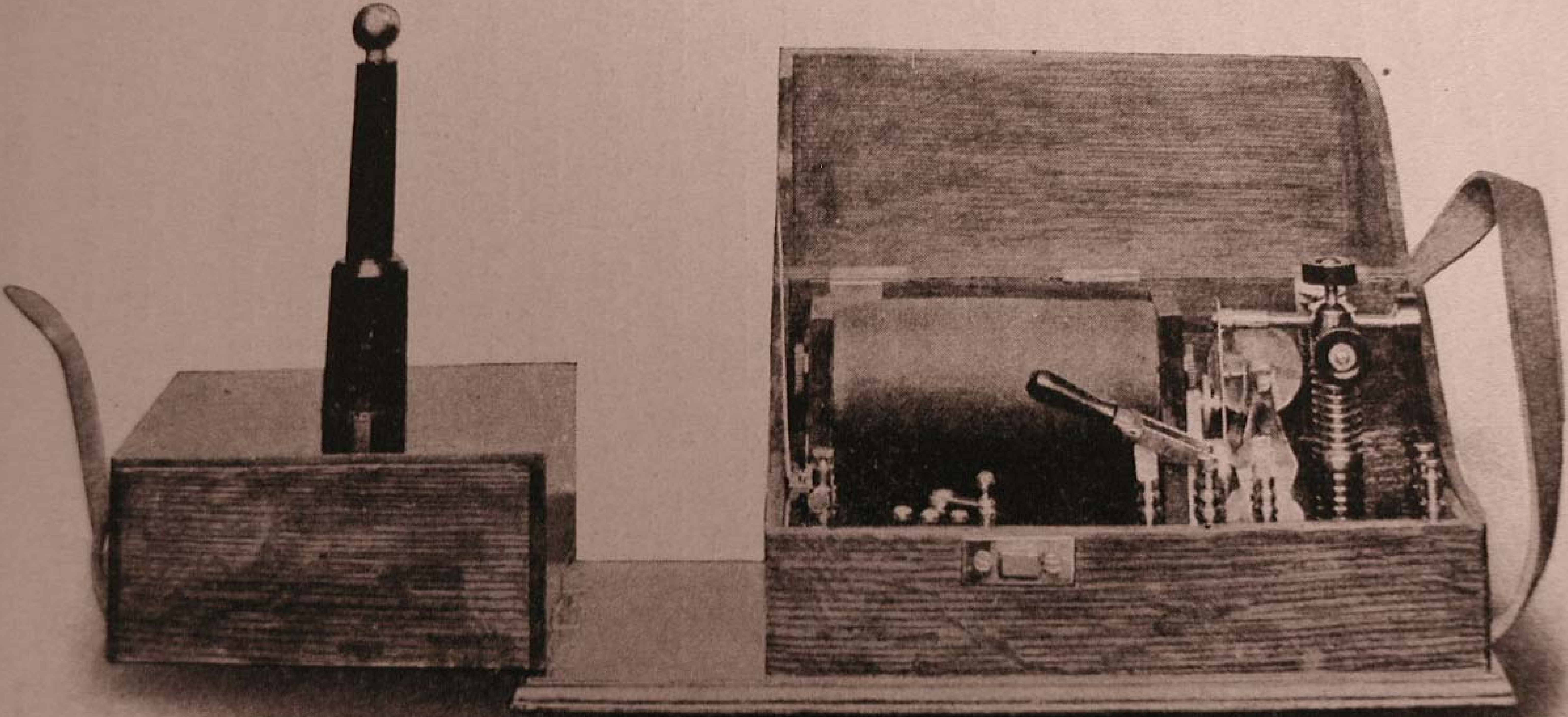
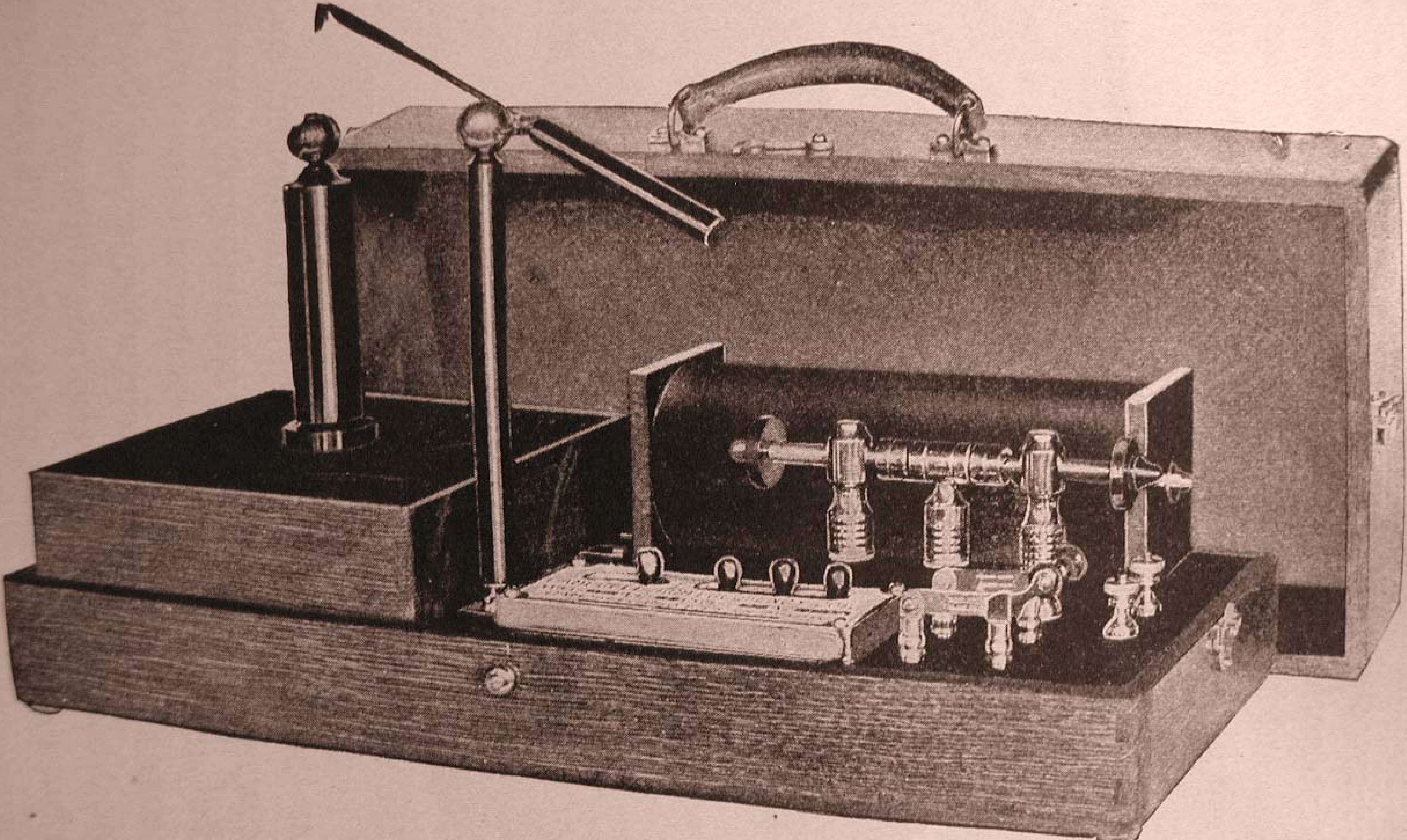
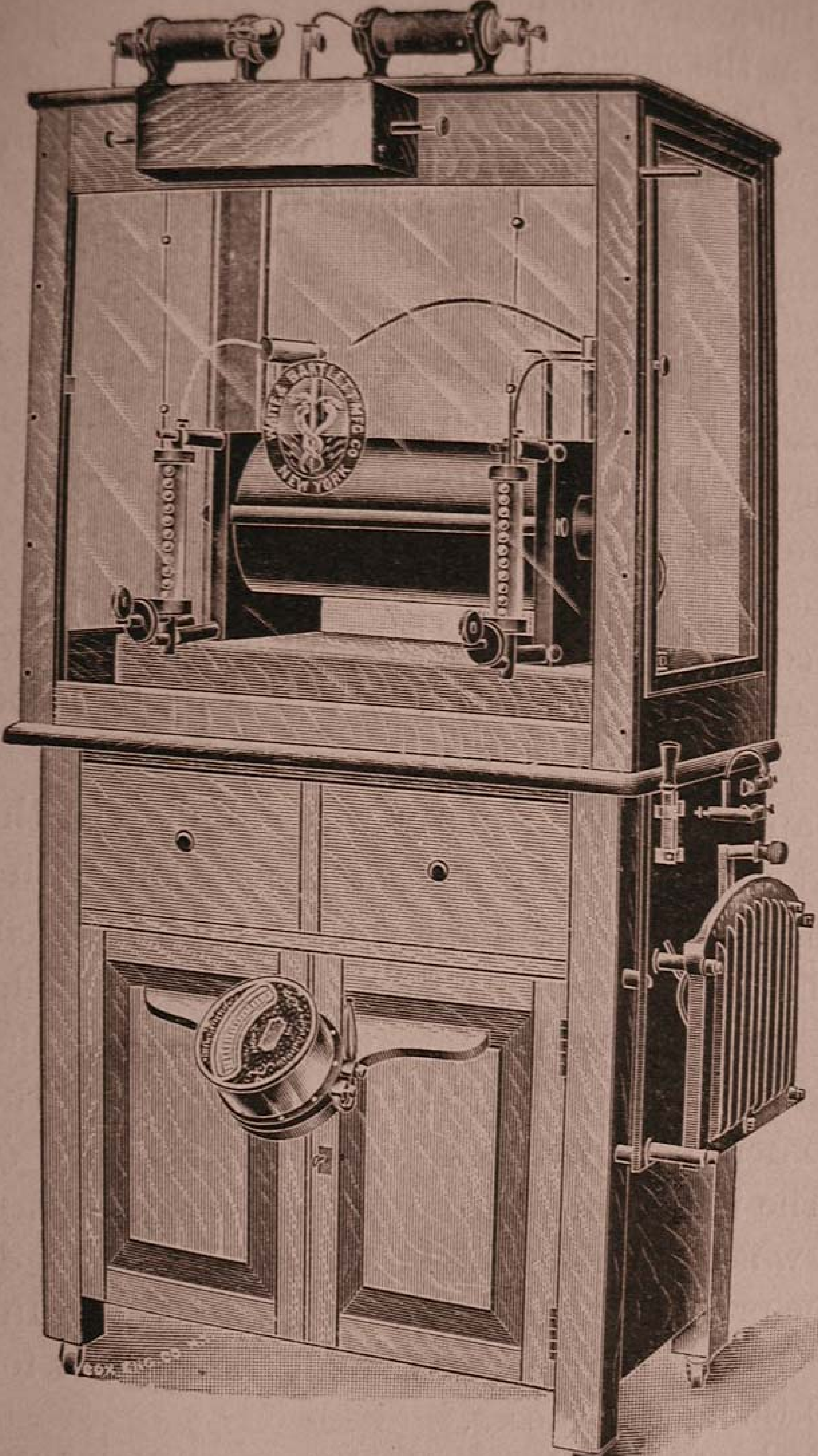
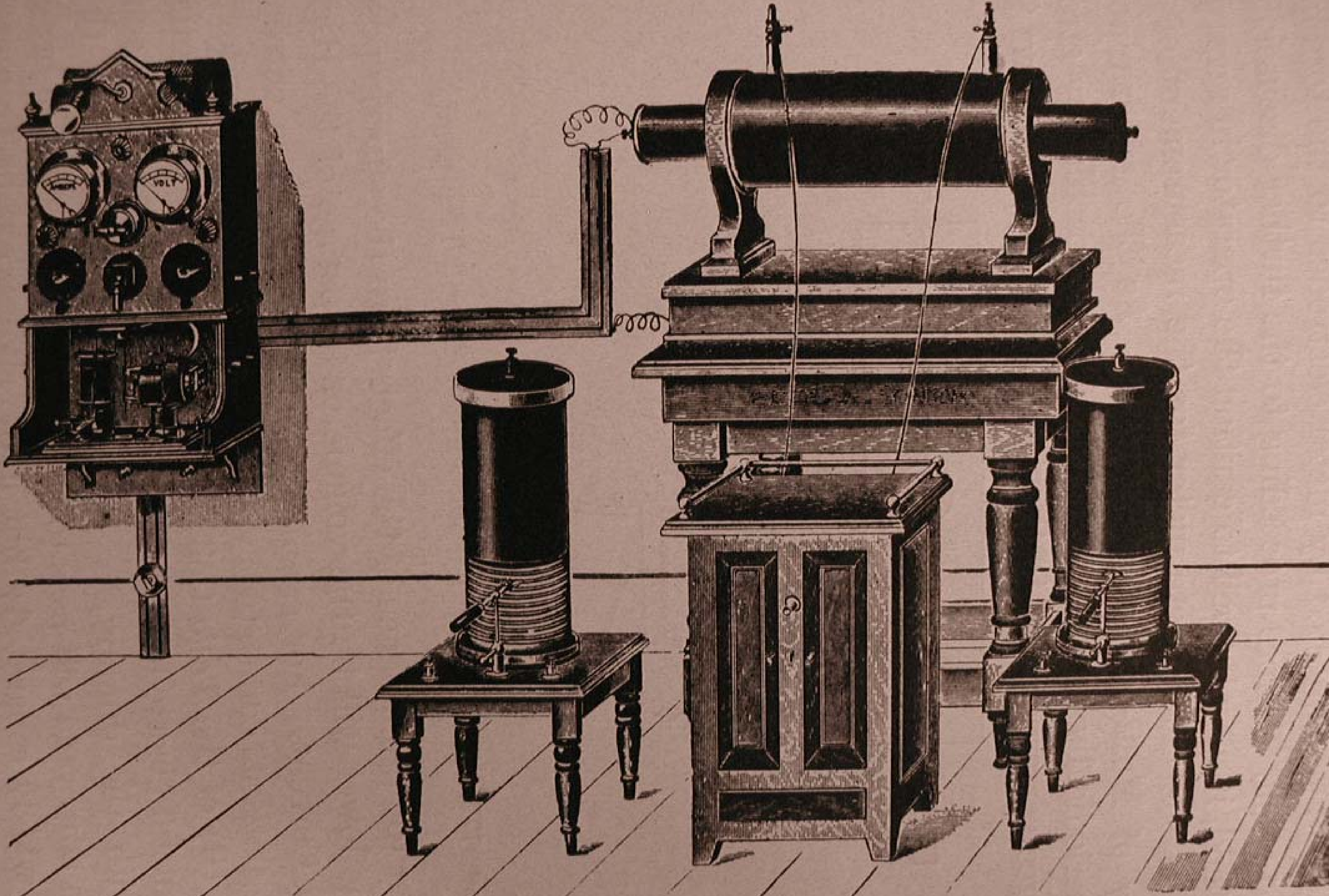


FIG. 65.—Campbell High-frequency Coil.

FIG. 65.—Campbell High-frequency Coil.




WAITE & BARTLETT MFG CO
NEW YORK
10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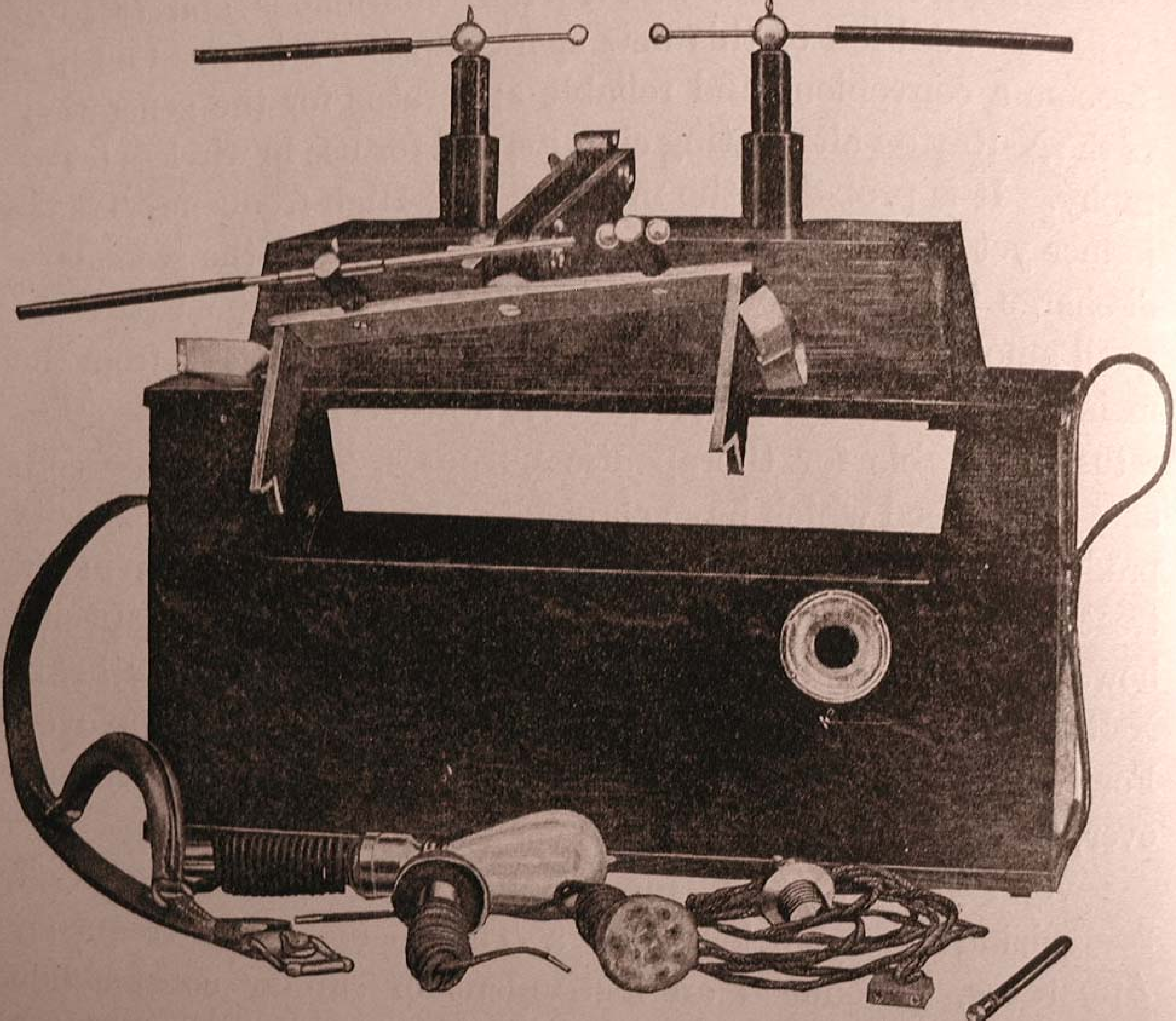
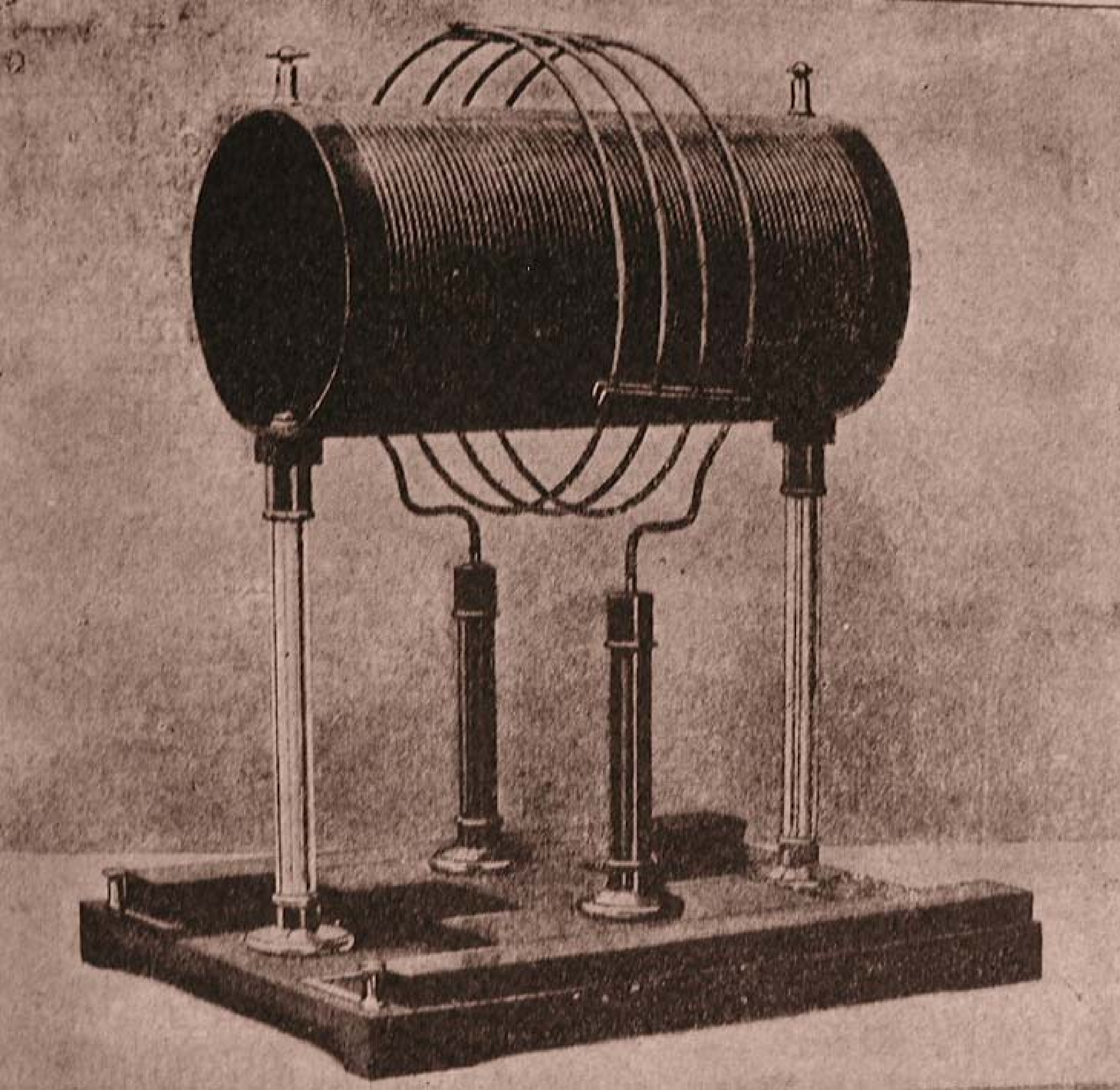
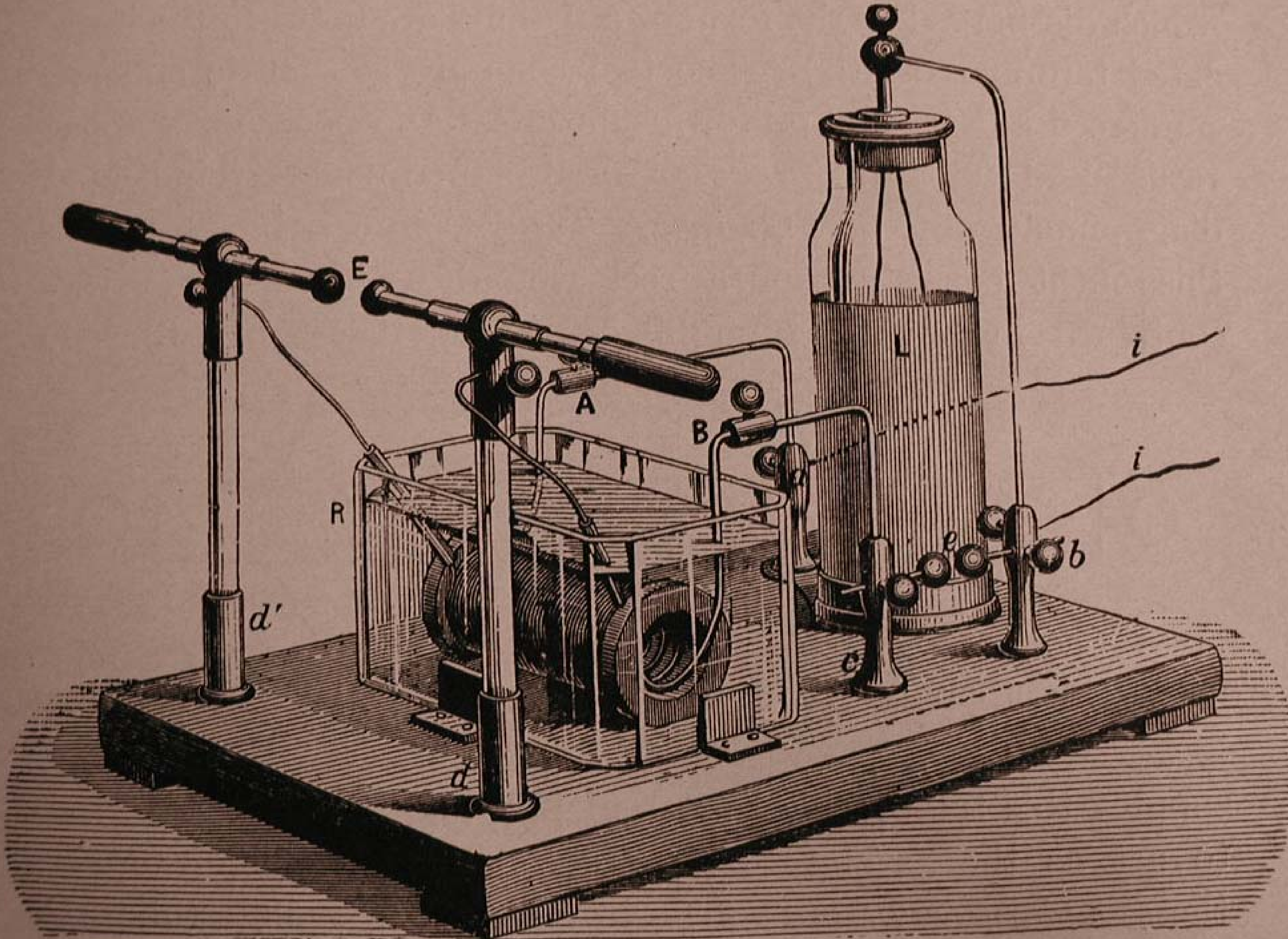


FIG. 64.—Brown High-frequency Coil.

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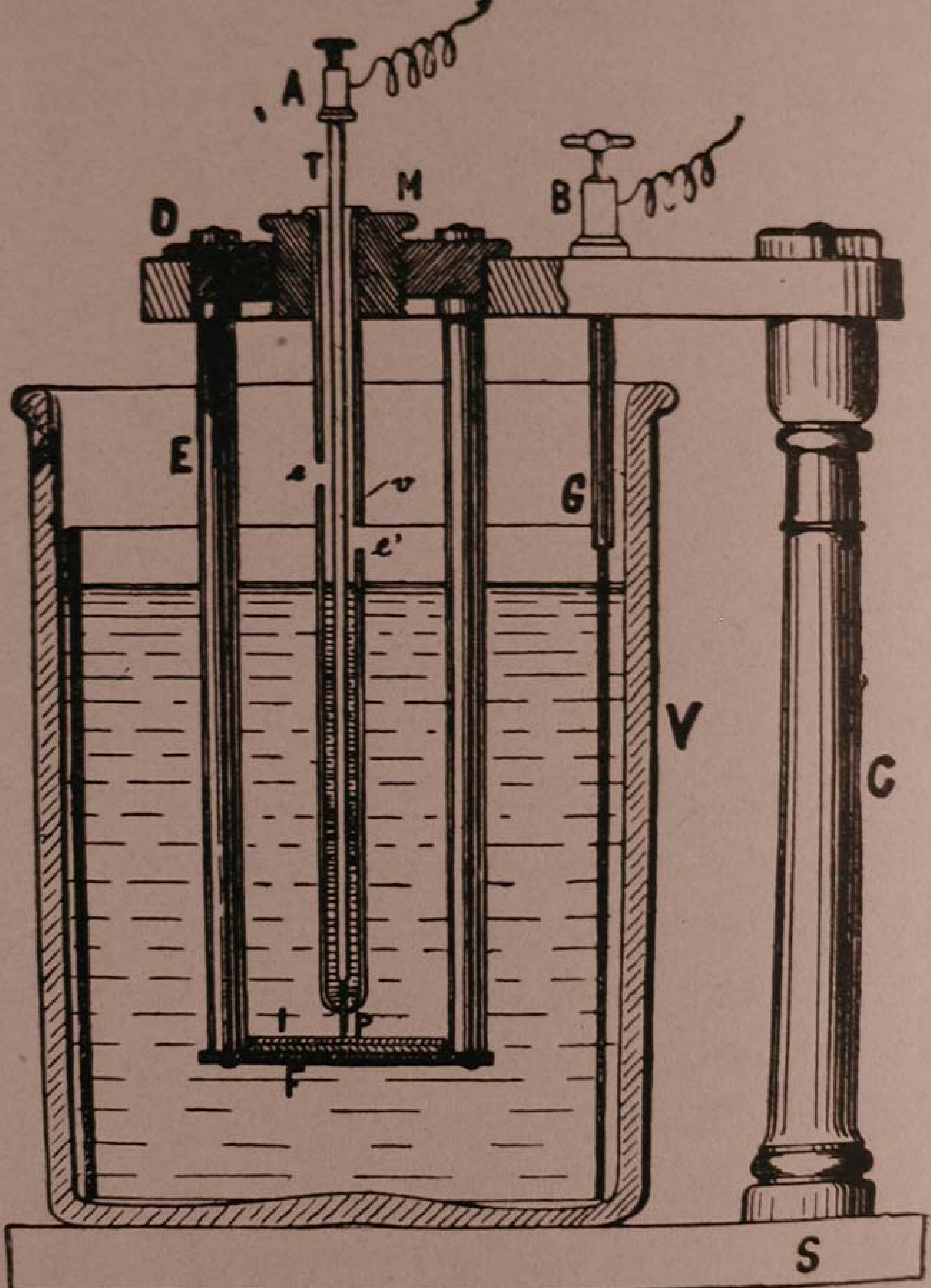
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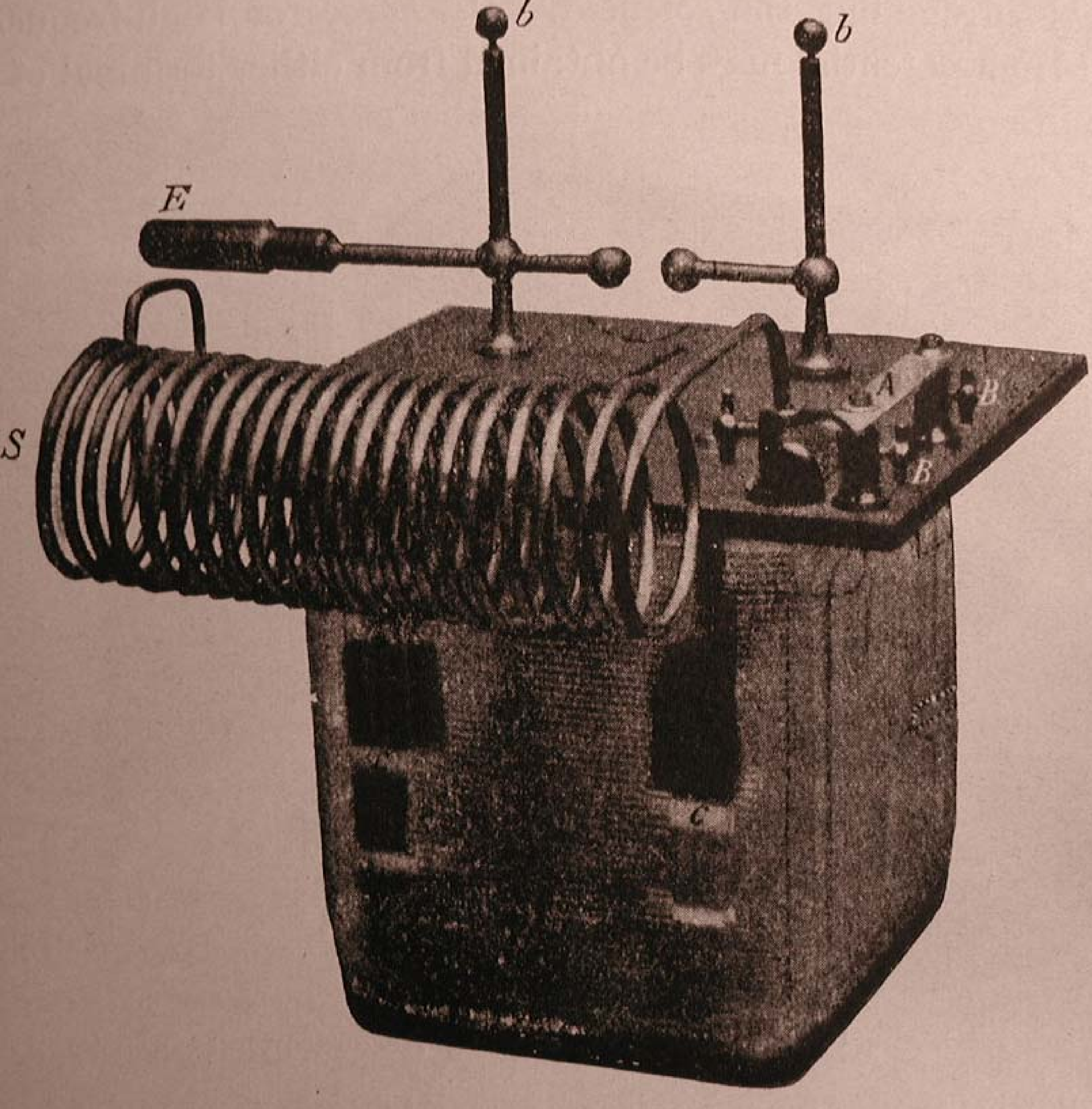
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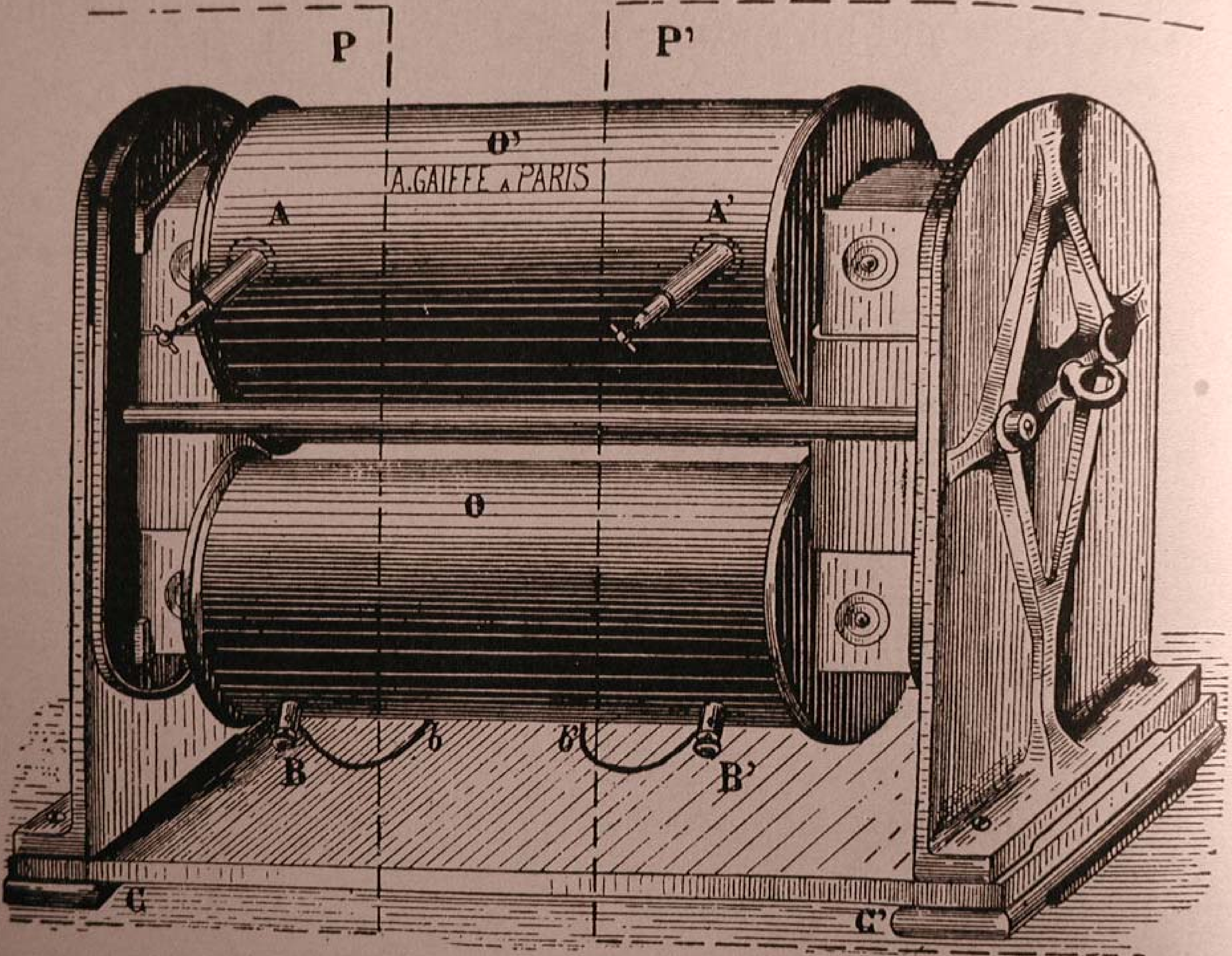
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A. GAIFFE A PARIS
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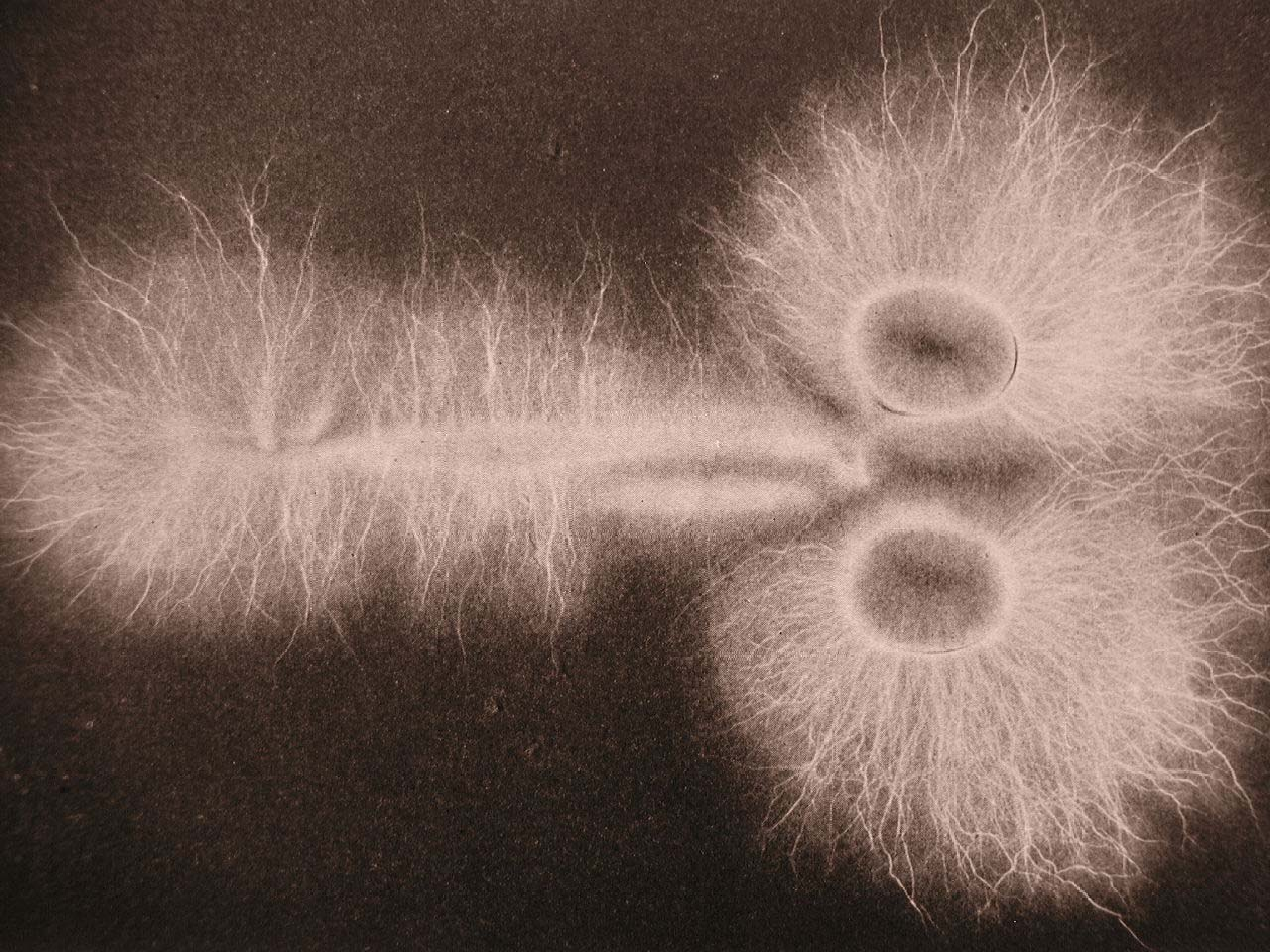
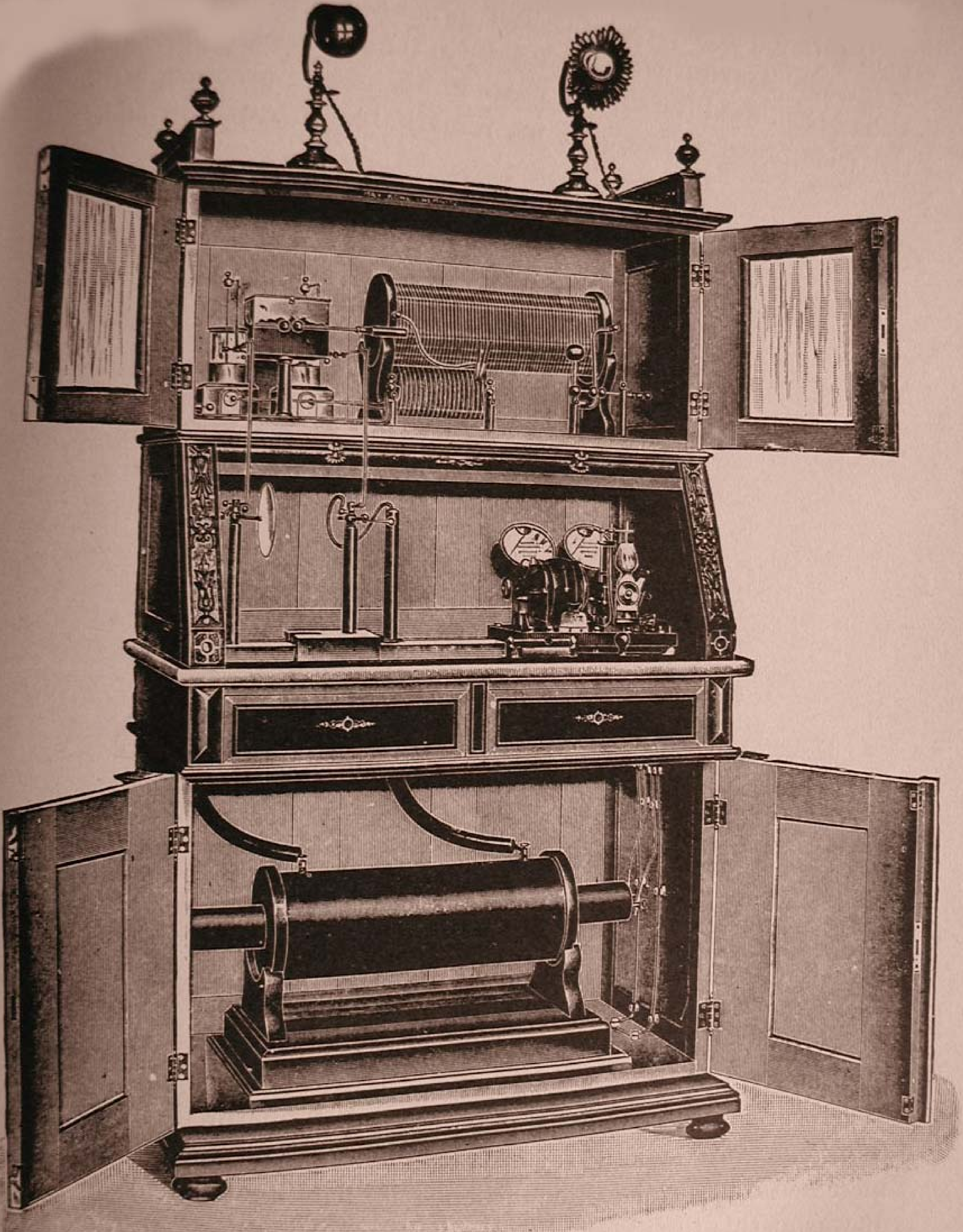
C
C'





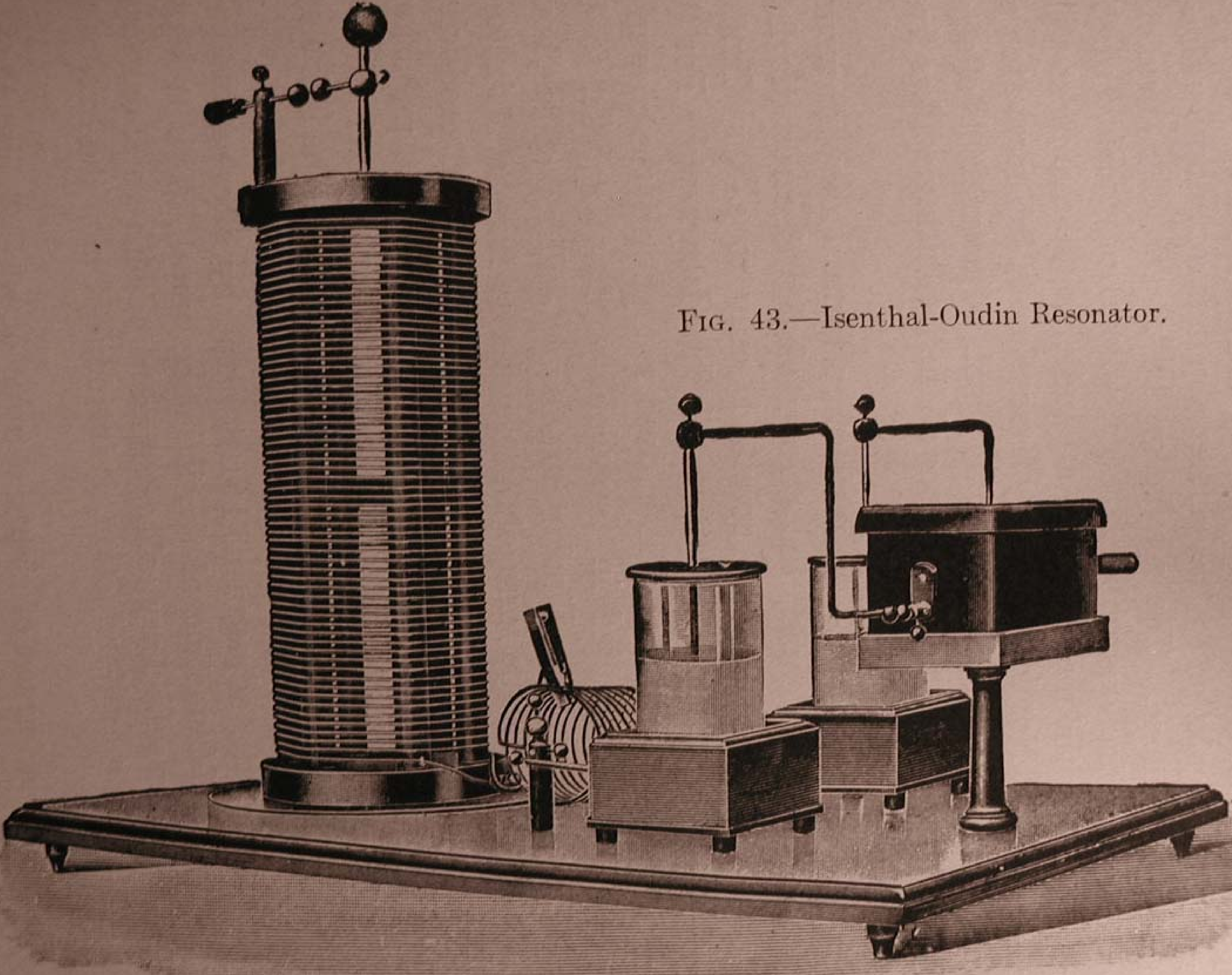
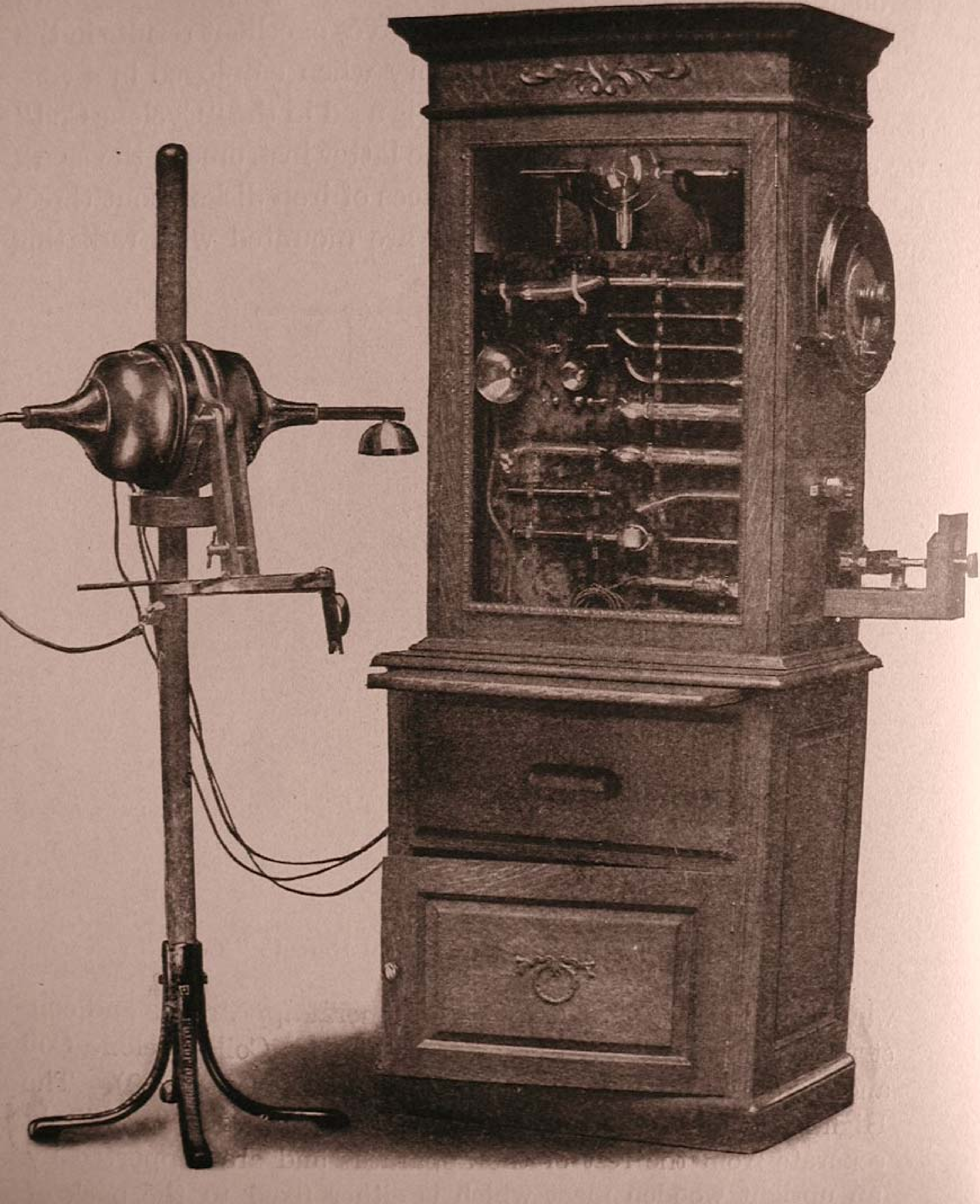
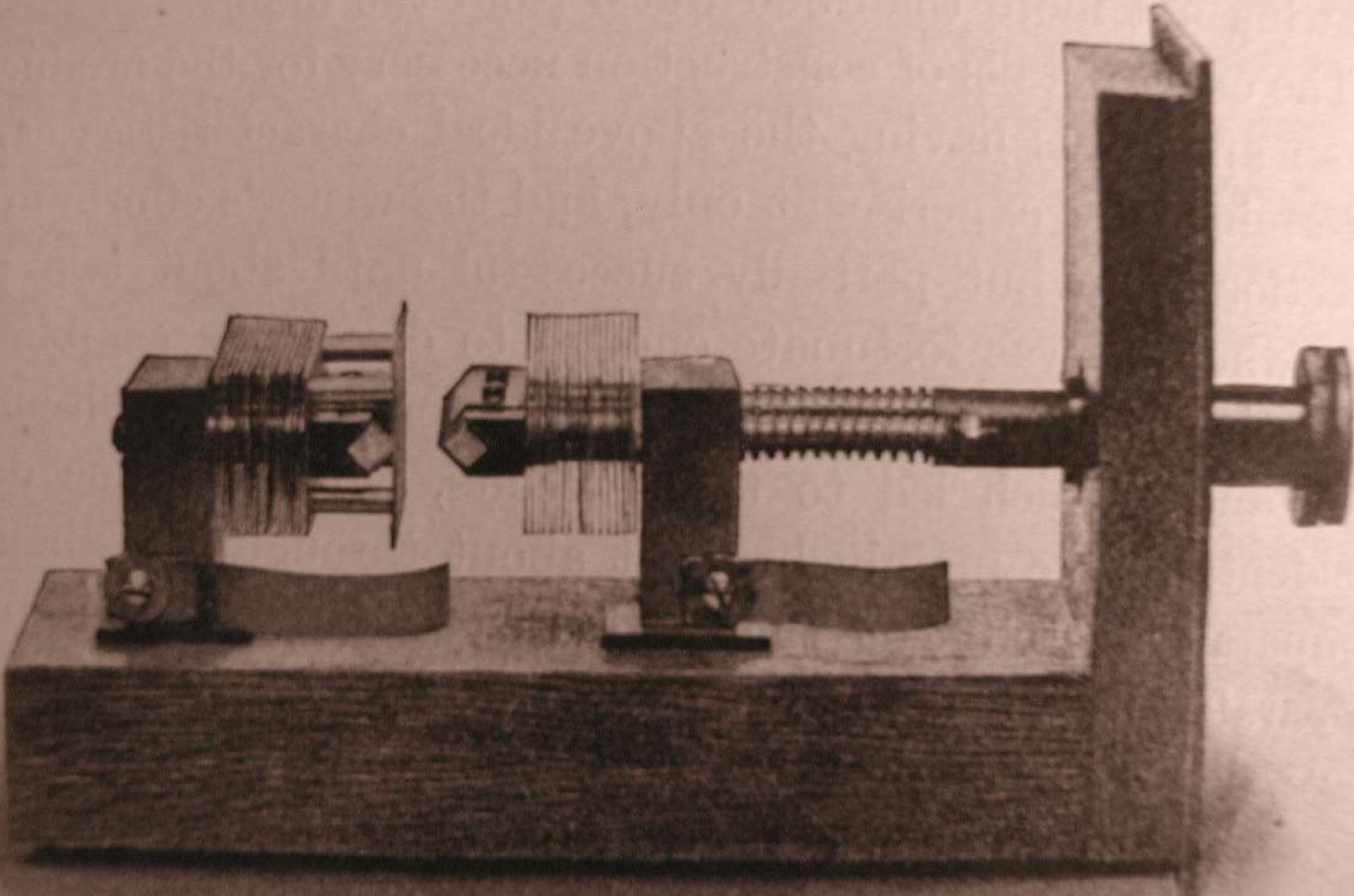


FIG. 43.—Isenthal-Oudin Resonator.





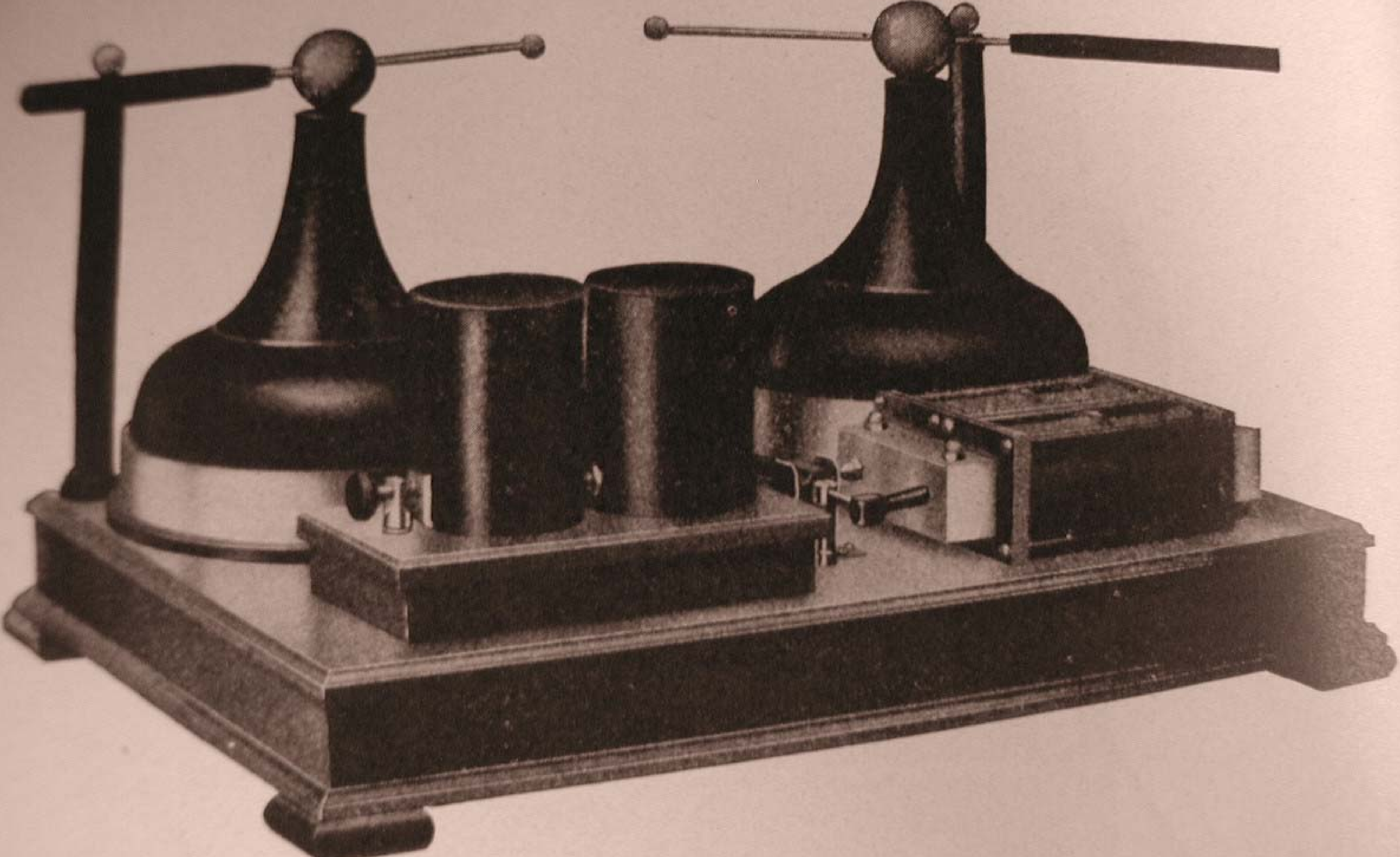
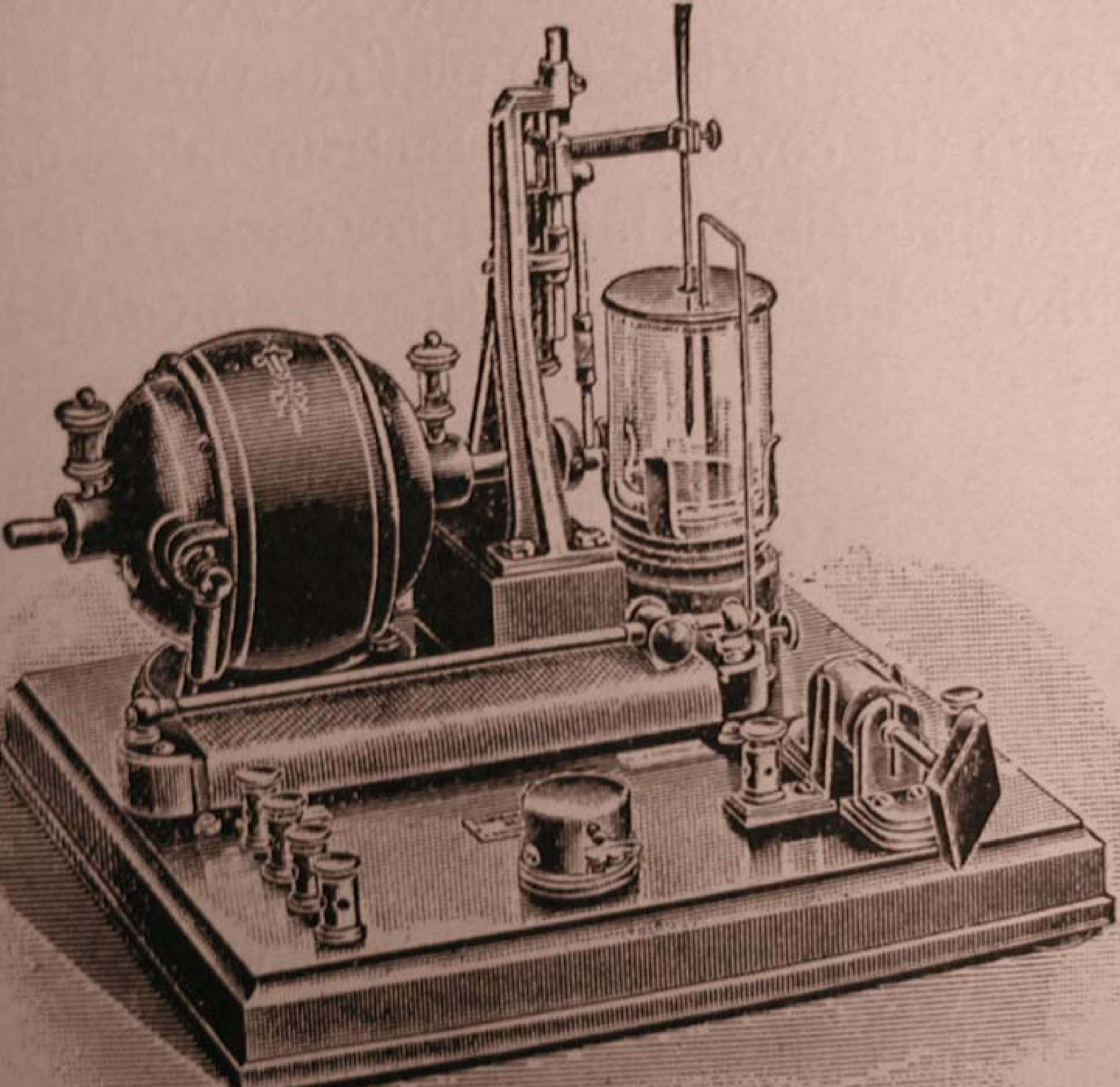
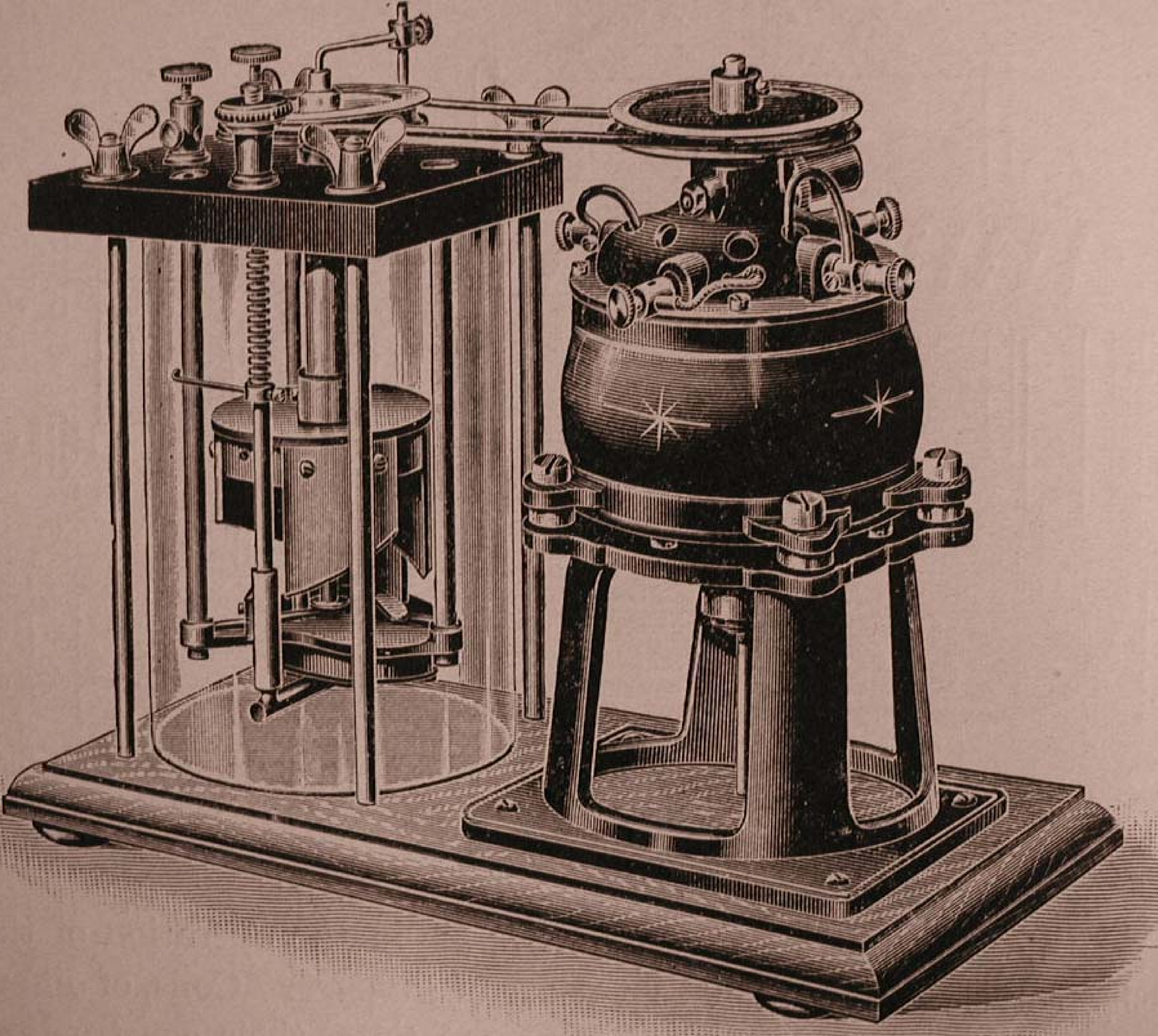
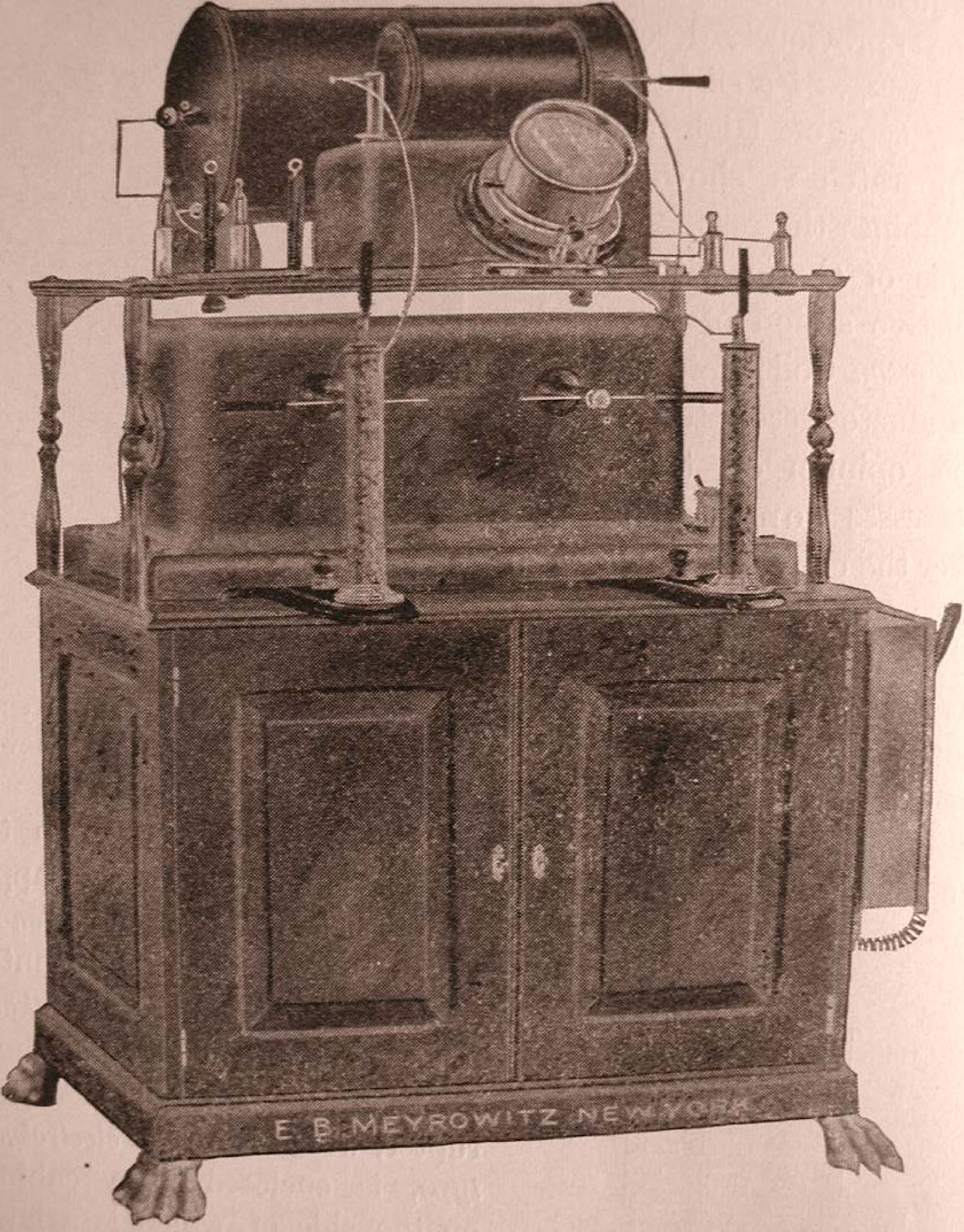
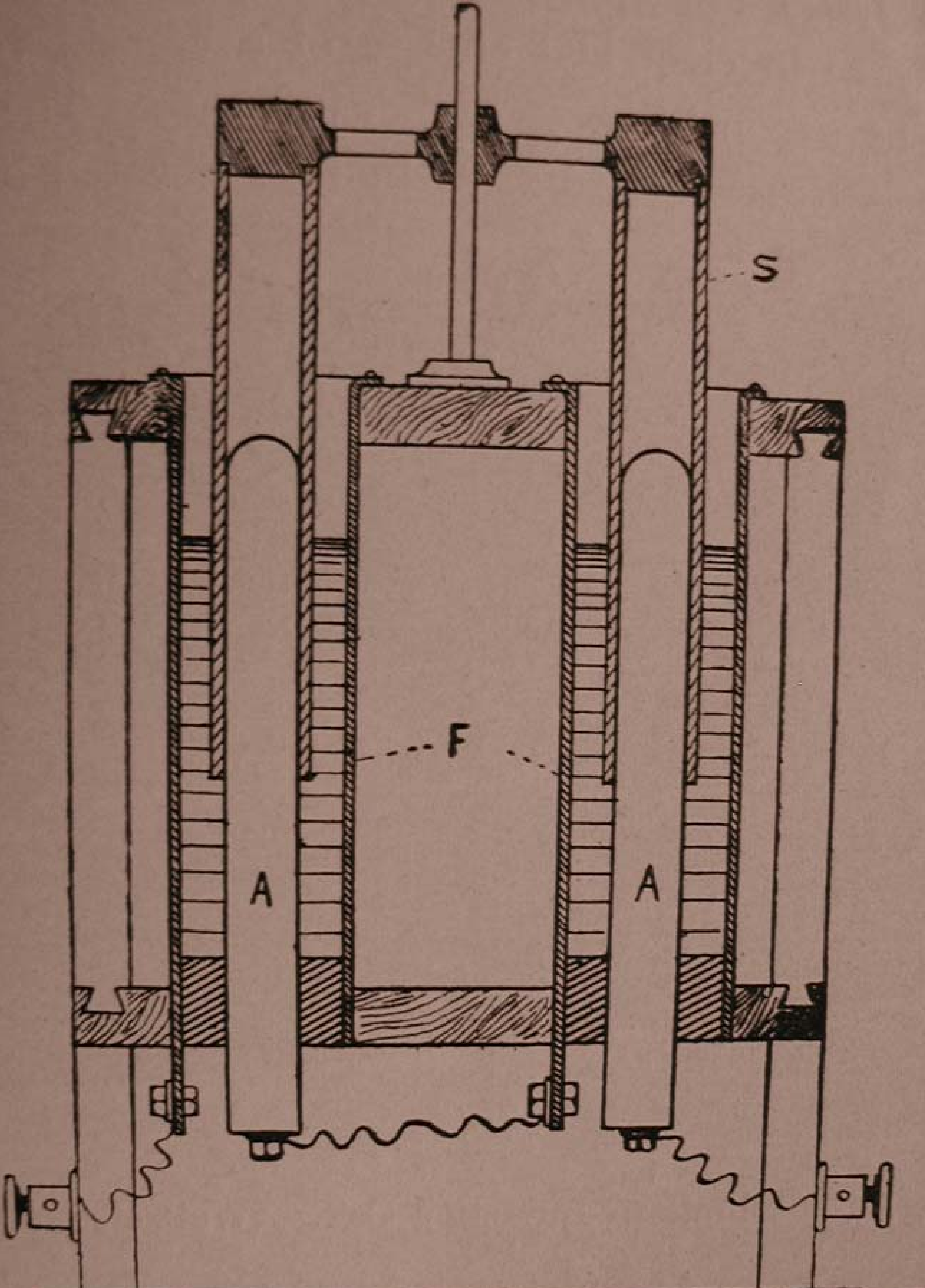


FIG. 66.—Kinraide Coil with Improved Spark-gap.






E. B. MEYROWITZ NEW YORK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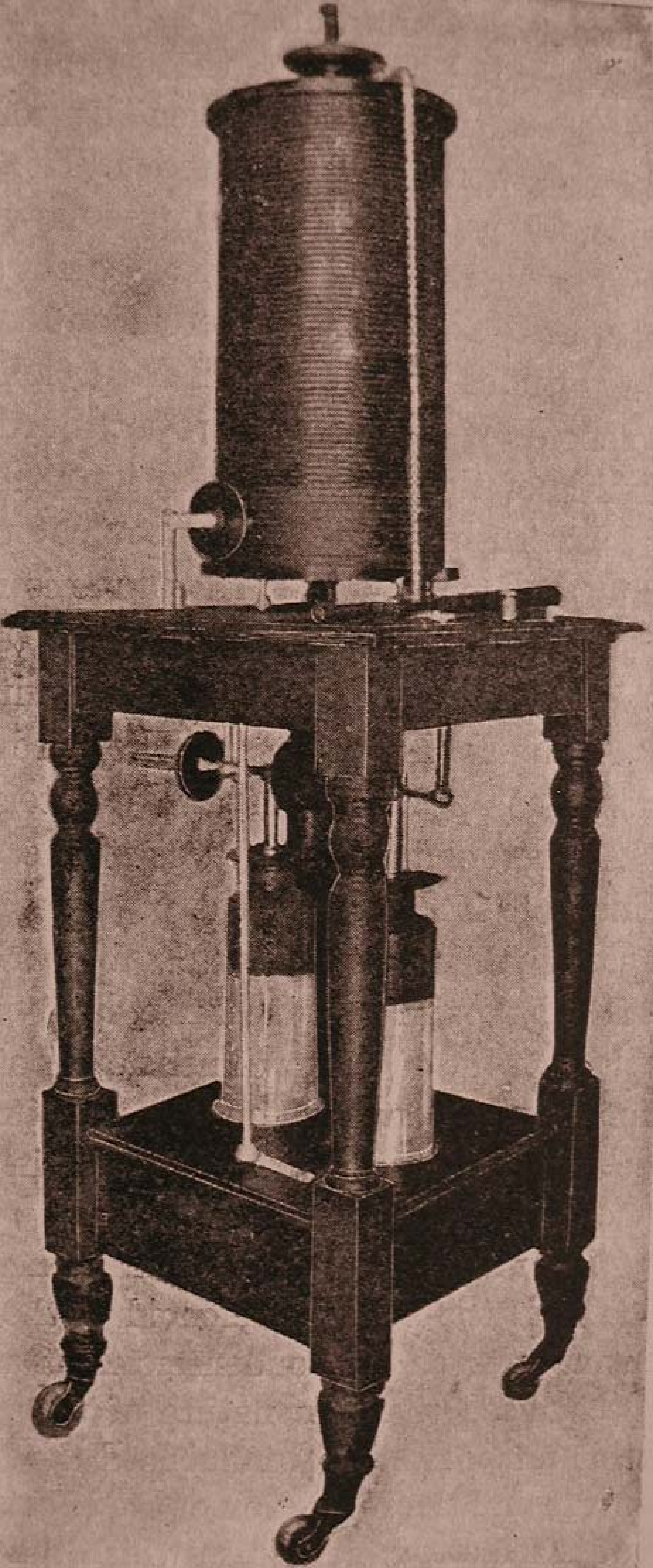
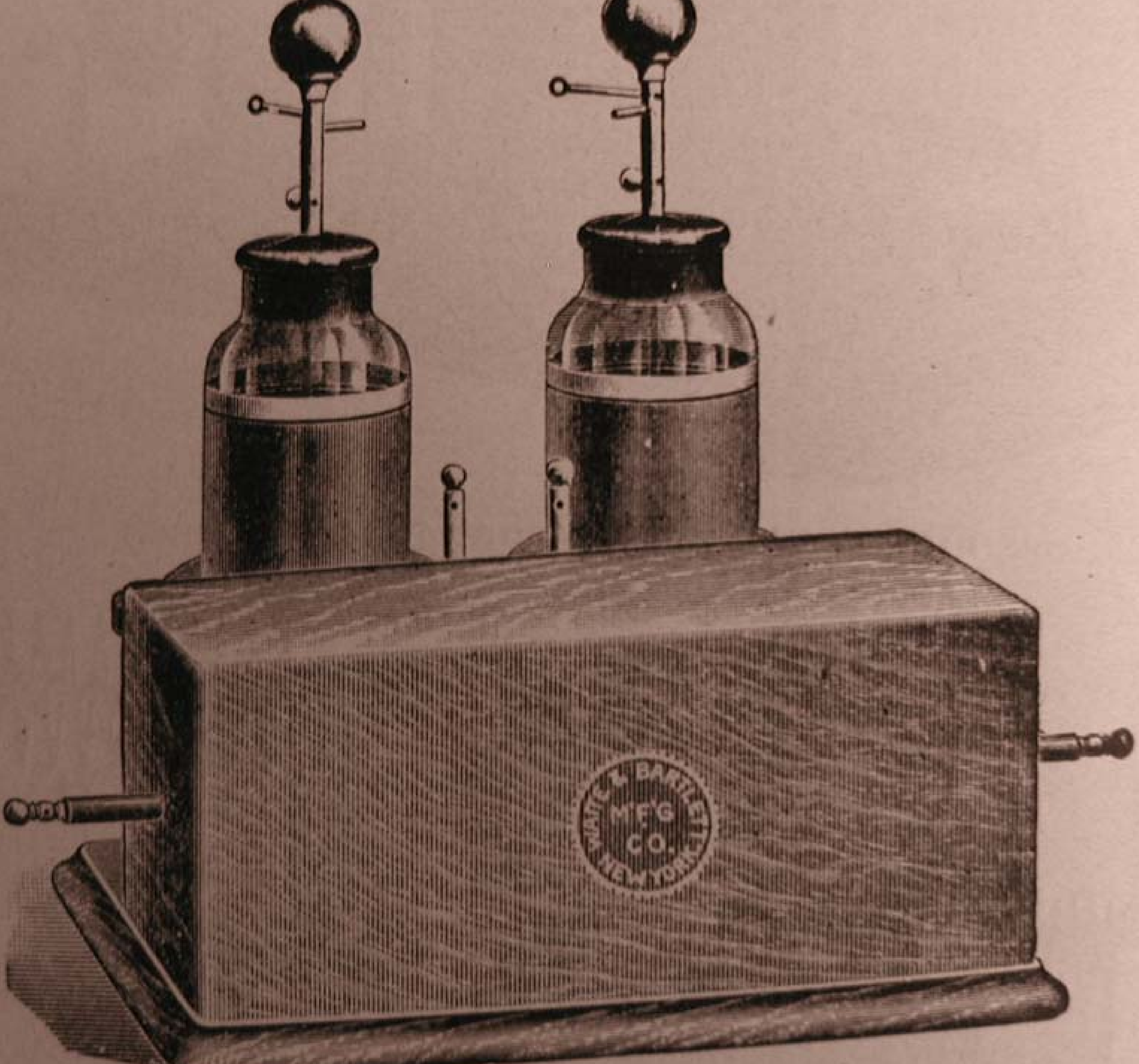
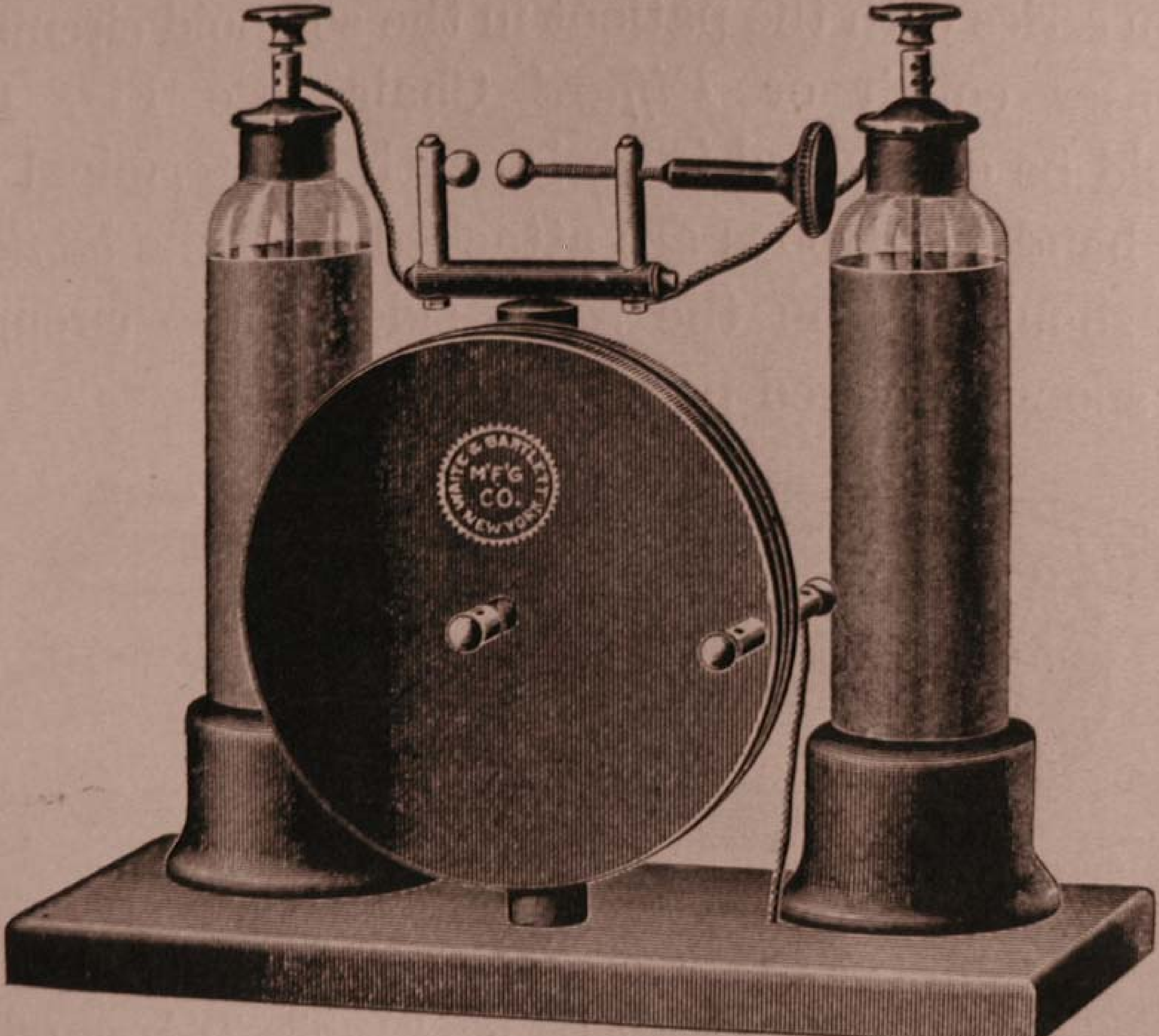
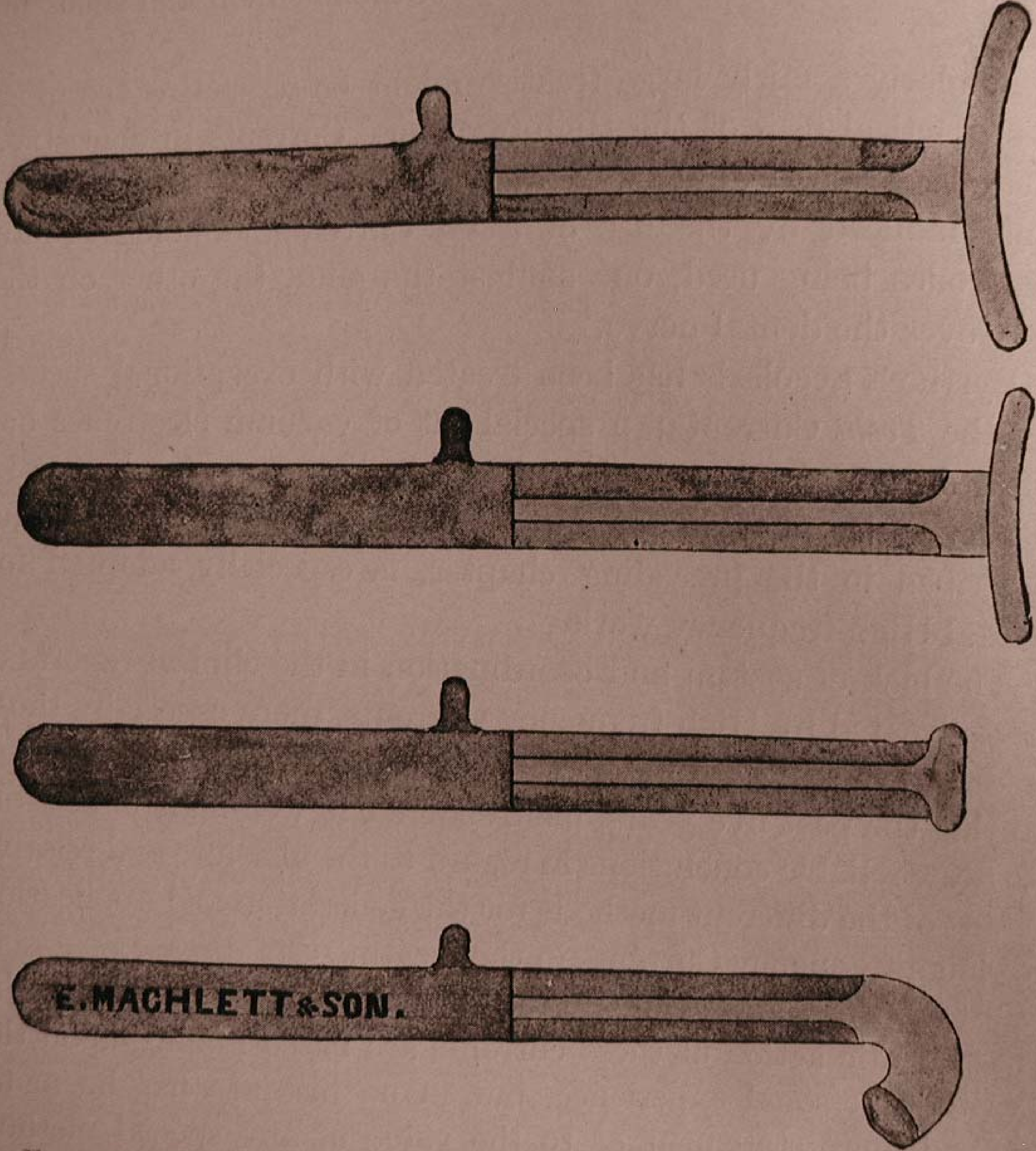
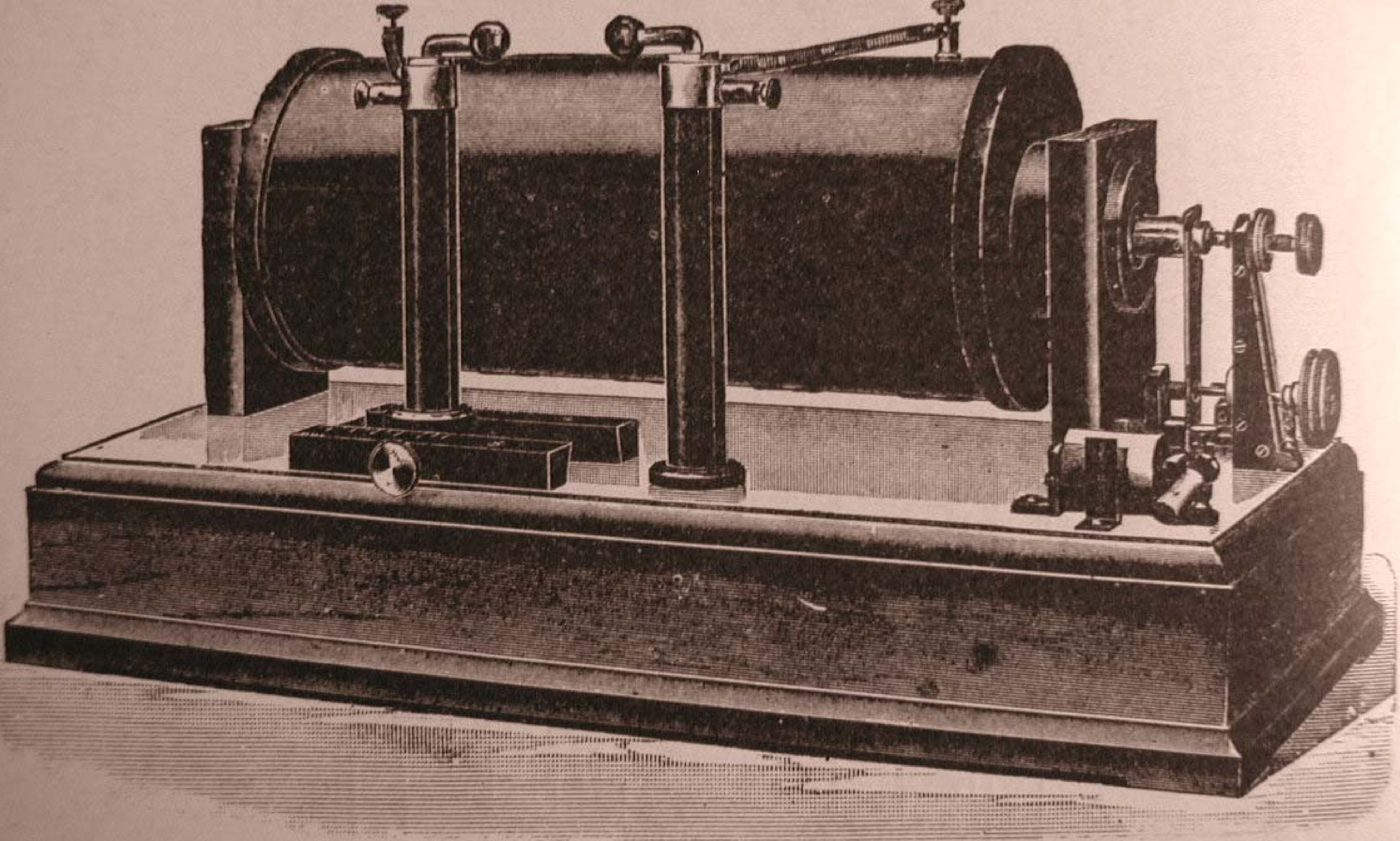


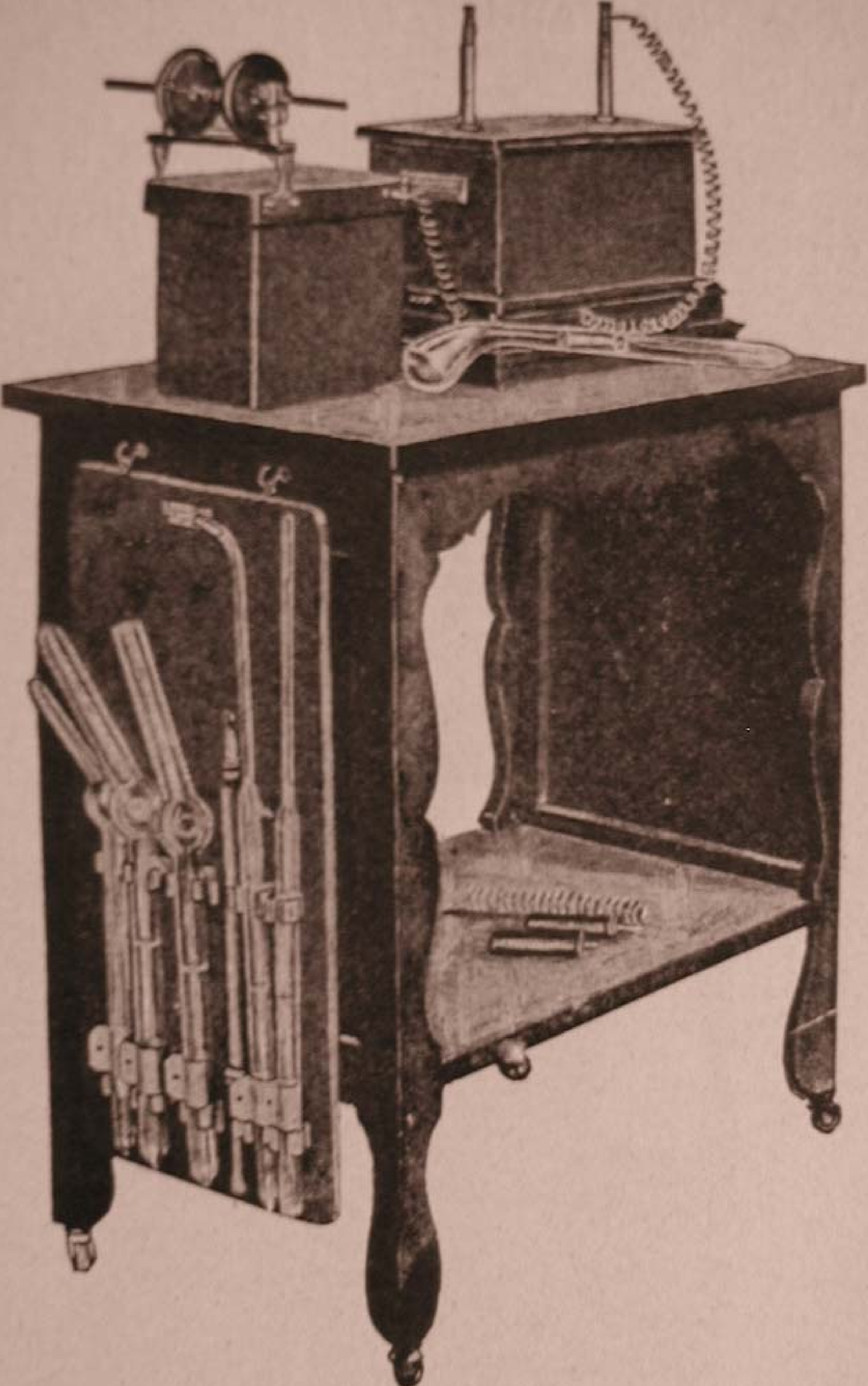
Eosin (Aqueous Solution) =Green Fluorescence.
Fluoresceîn “ “ =Yellow Green Fluorescence.
Æsculin “ “ =Sky-blue Fluorescence.
Quinin Bi-sulphate “ = “ “ “
Cylinder Oil =Yellow Fluorescence.
Willemite =Bright Yellow Green Fluorescence.
Calcite =Salmon-pink Fluorescence.
Fluorite =Amethyst Fluorescence.
Uranium Glass =Apple-green Fluorescence.
Didymium Glass =Dull Red Fluorescence.
Lead Glass =Sky-blue Fluorescence.
Calcium Tungstate =Bright Blue Fluorescence.
Barium Platinum Cyanide =Yellow Fluorescence.
Calcium Sulphide =Bright Blue Phosphorescence.
Zinc Sulphide =Yellow Phosphorescence.
Diamond =White Phosphorescence.
Selenite Crystals =Yellow White Phosphorescence.
Aragonite =Blue White Phosphorescence.

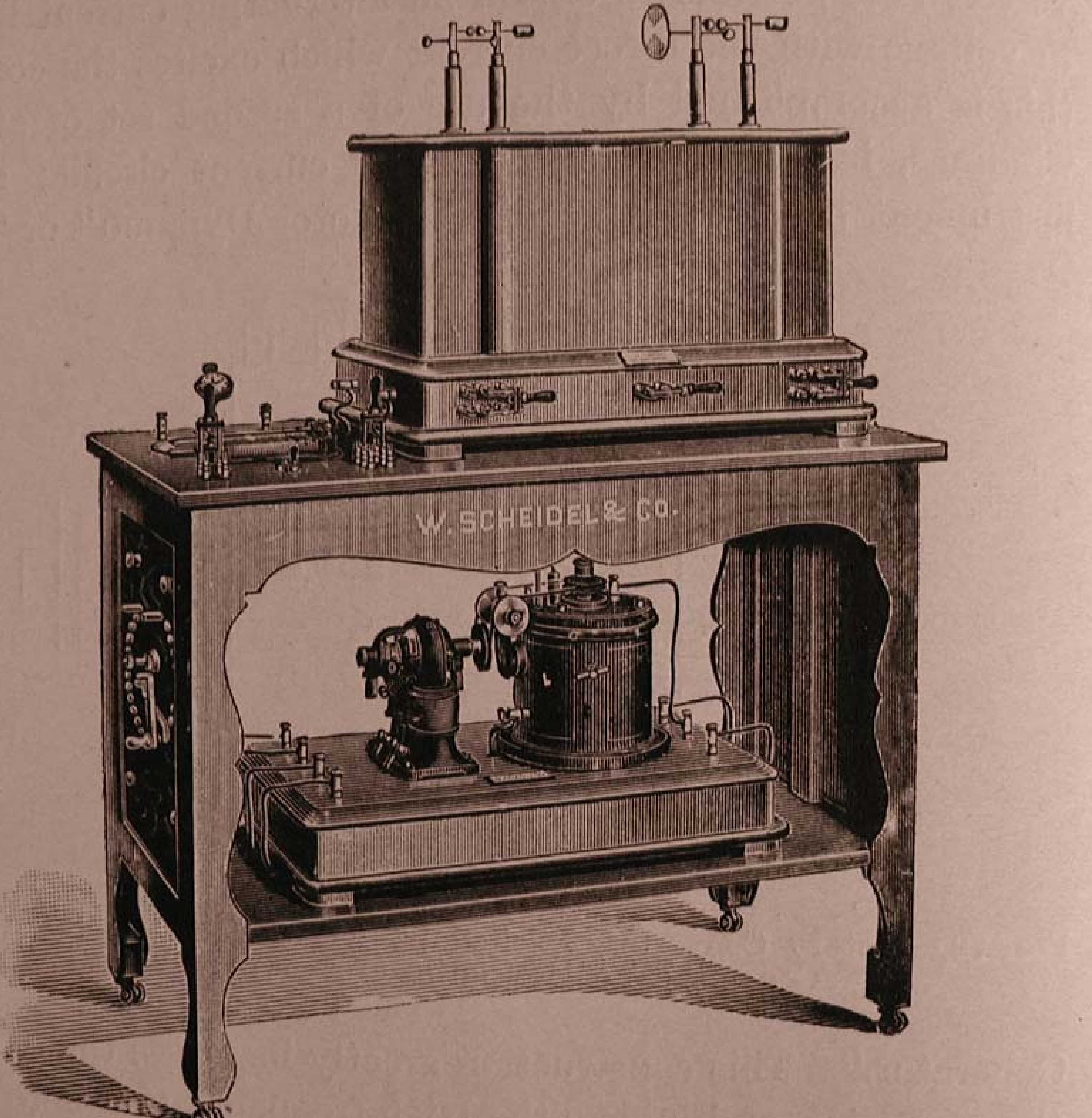

WAITE & BARTLETT
M'F'G
CO.
NEW YORK

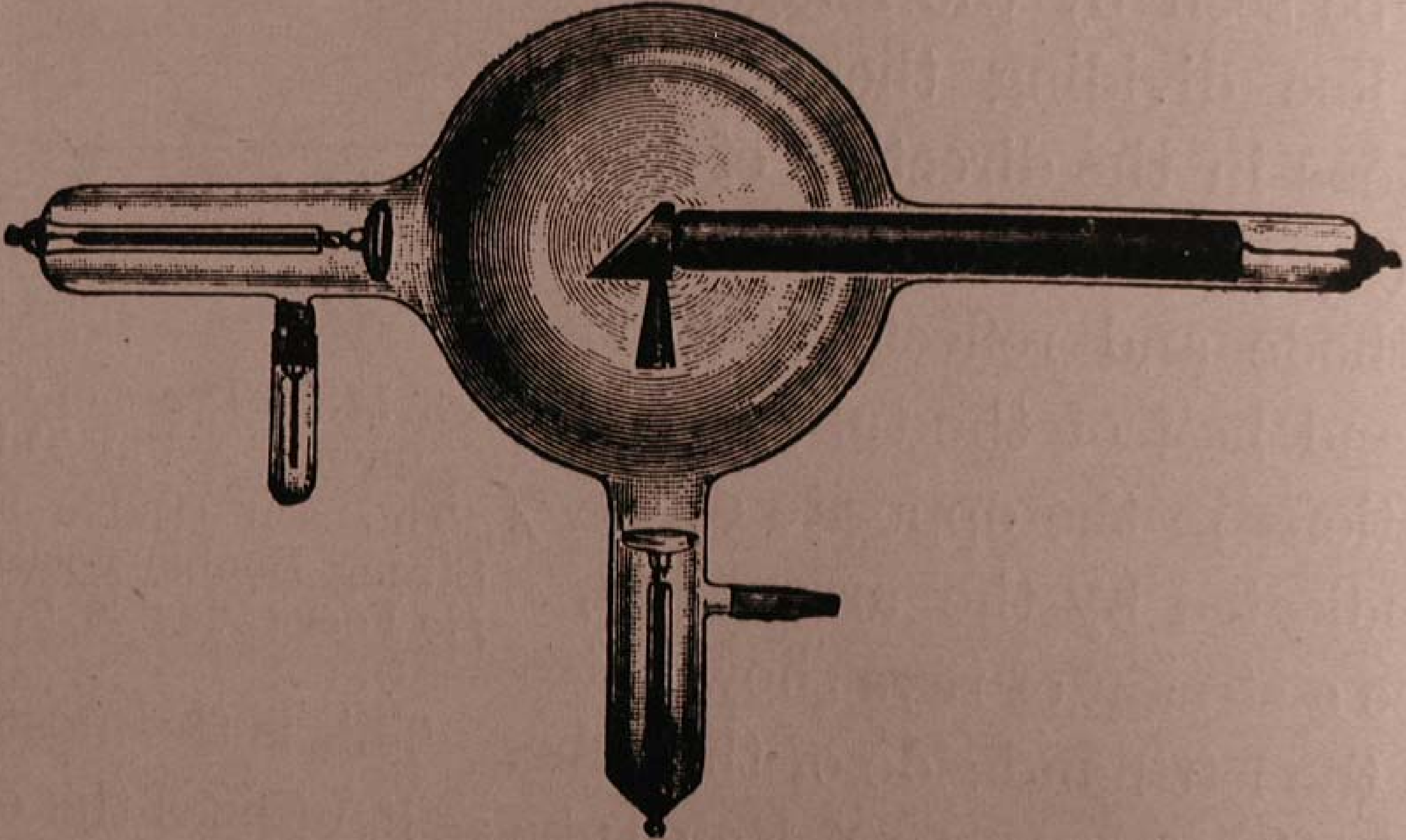

WAITE & BARTLETT
M'F'G
CO.
NEW YORK

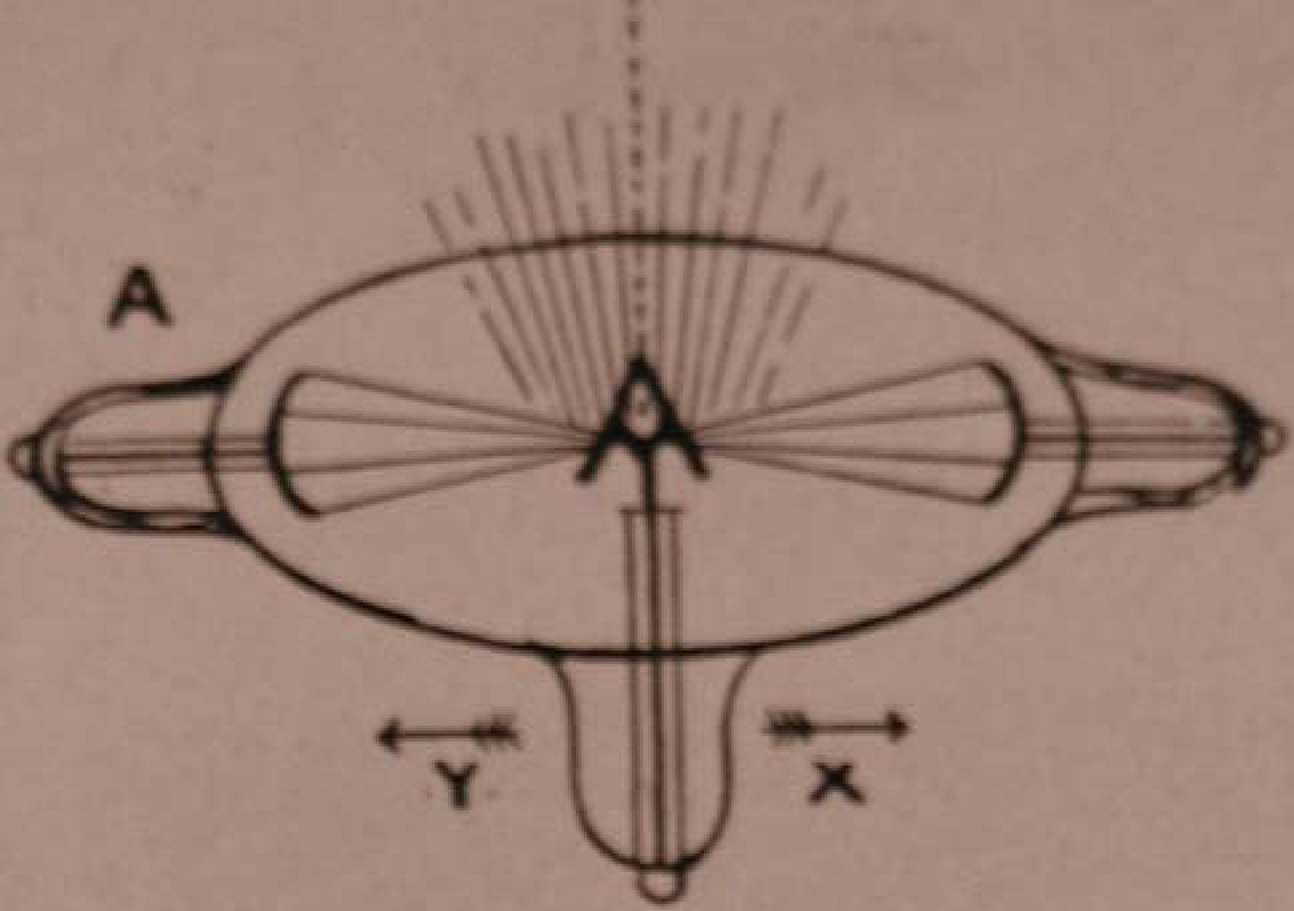

E. MACHLETT & SON.






W. SCHEIDEL & CO.




A
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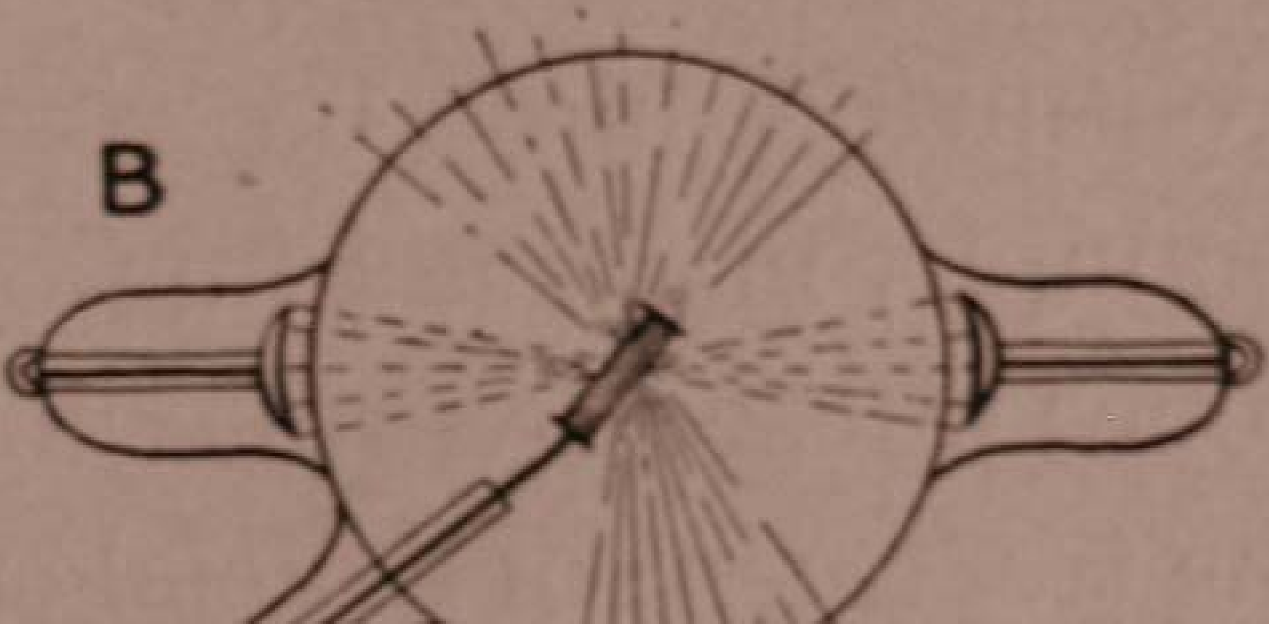
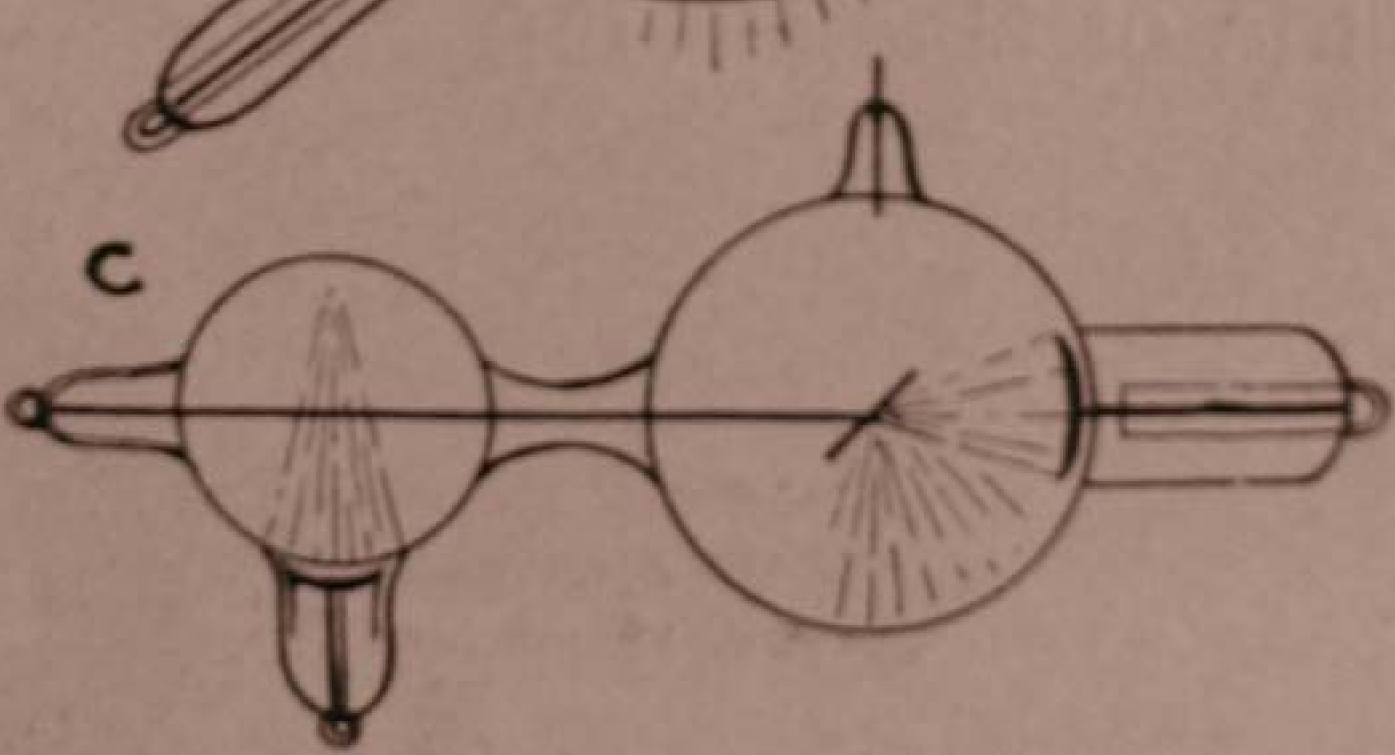

B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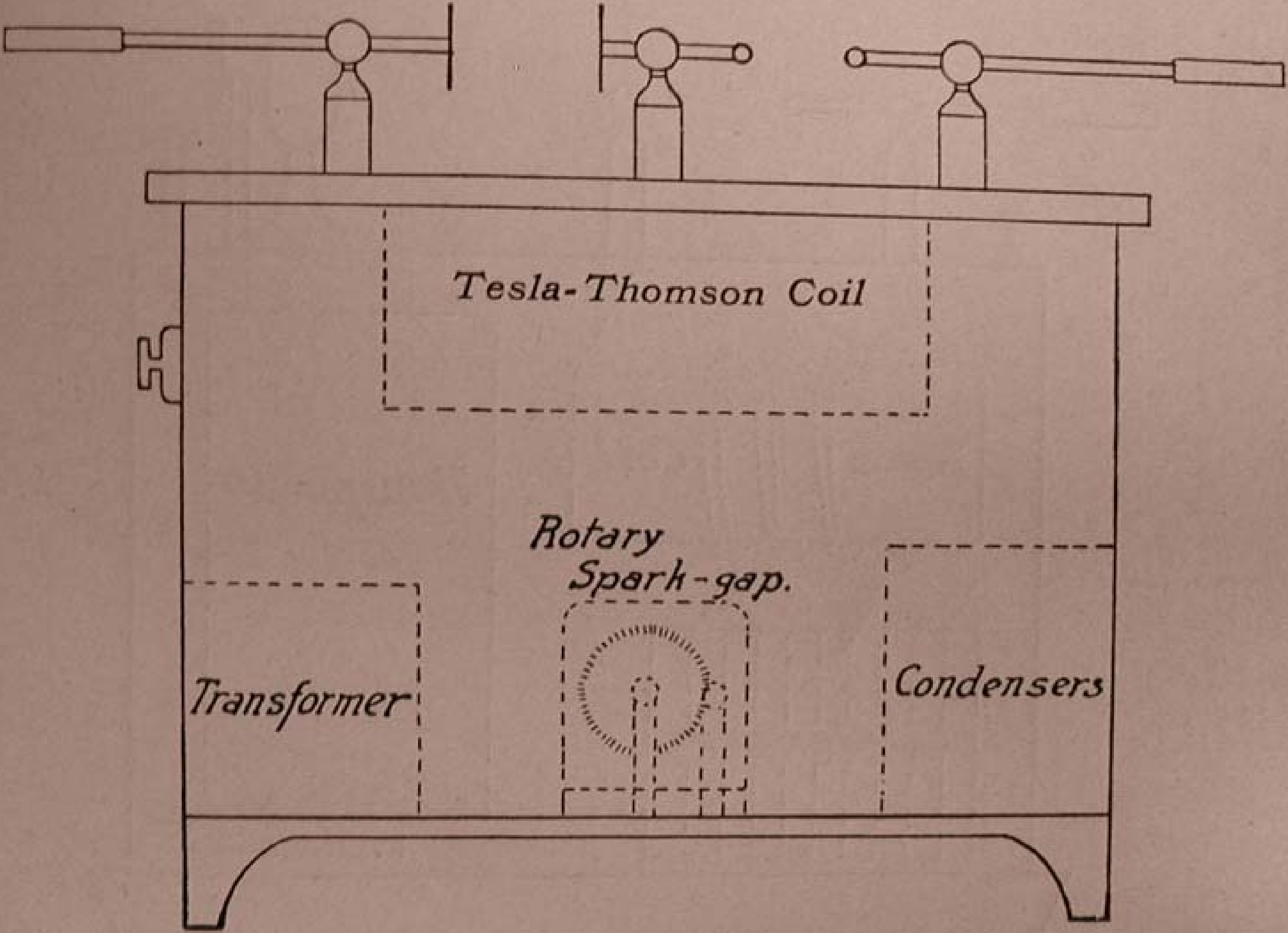
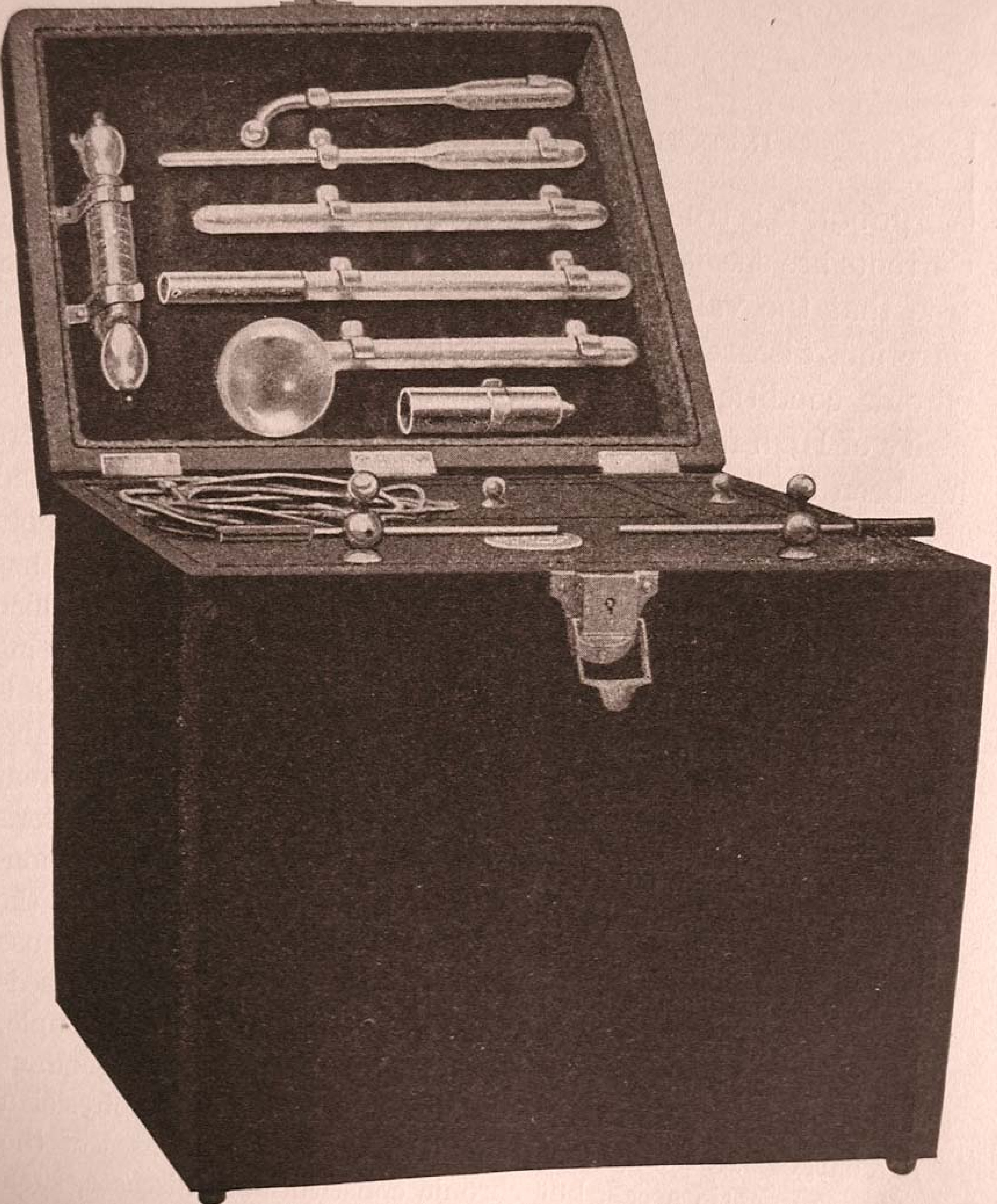
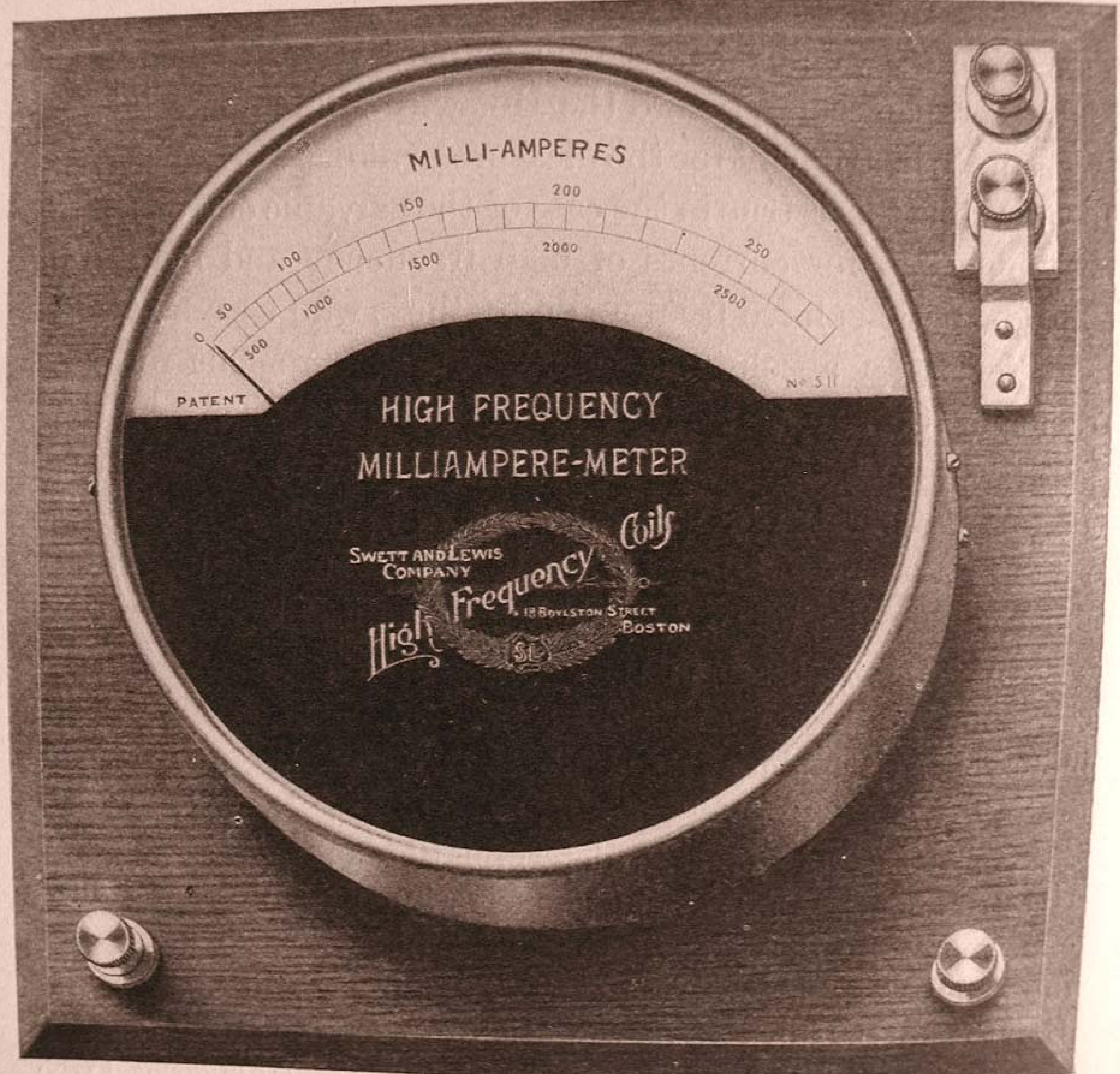

Tesla-Thomson Coil
Rotary Spark-gap.
Transformer
Condensers




MILLI-AMPERES
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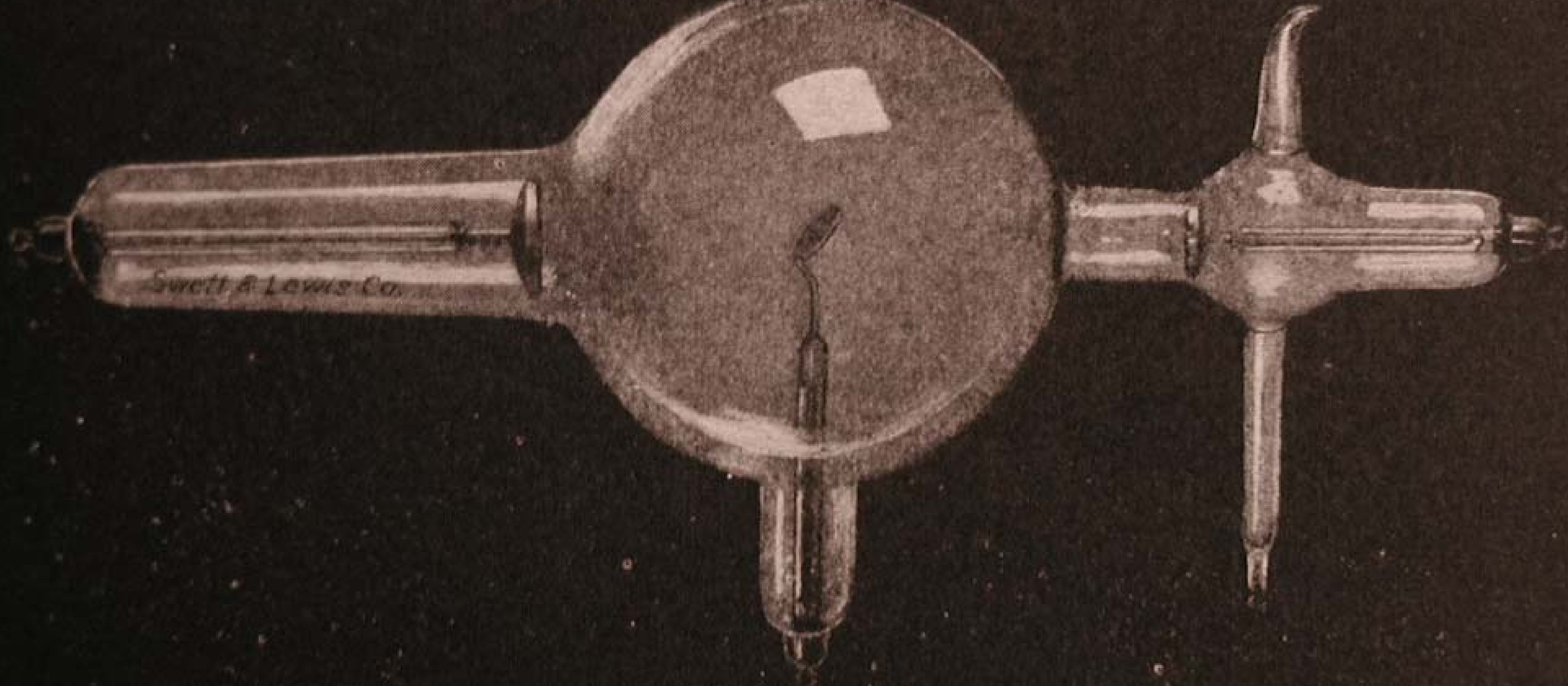
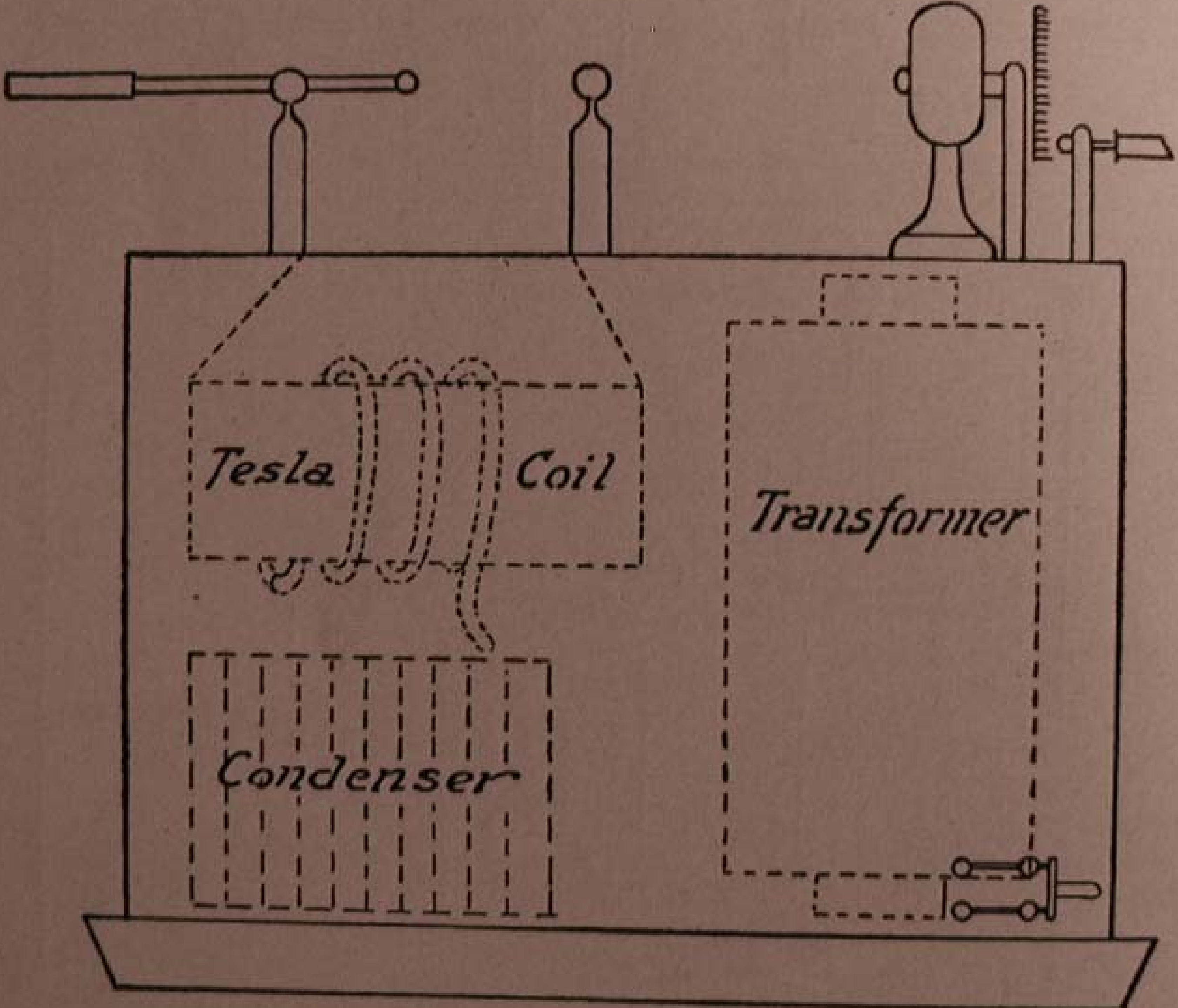
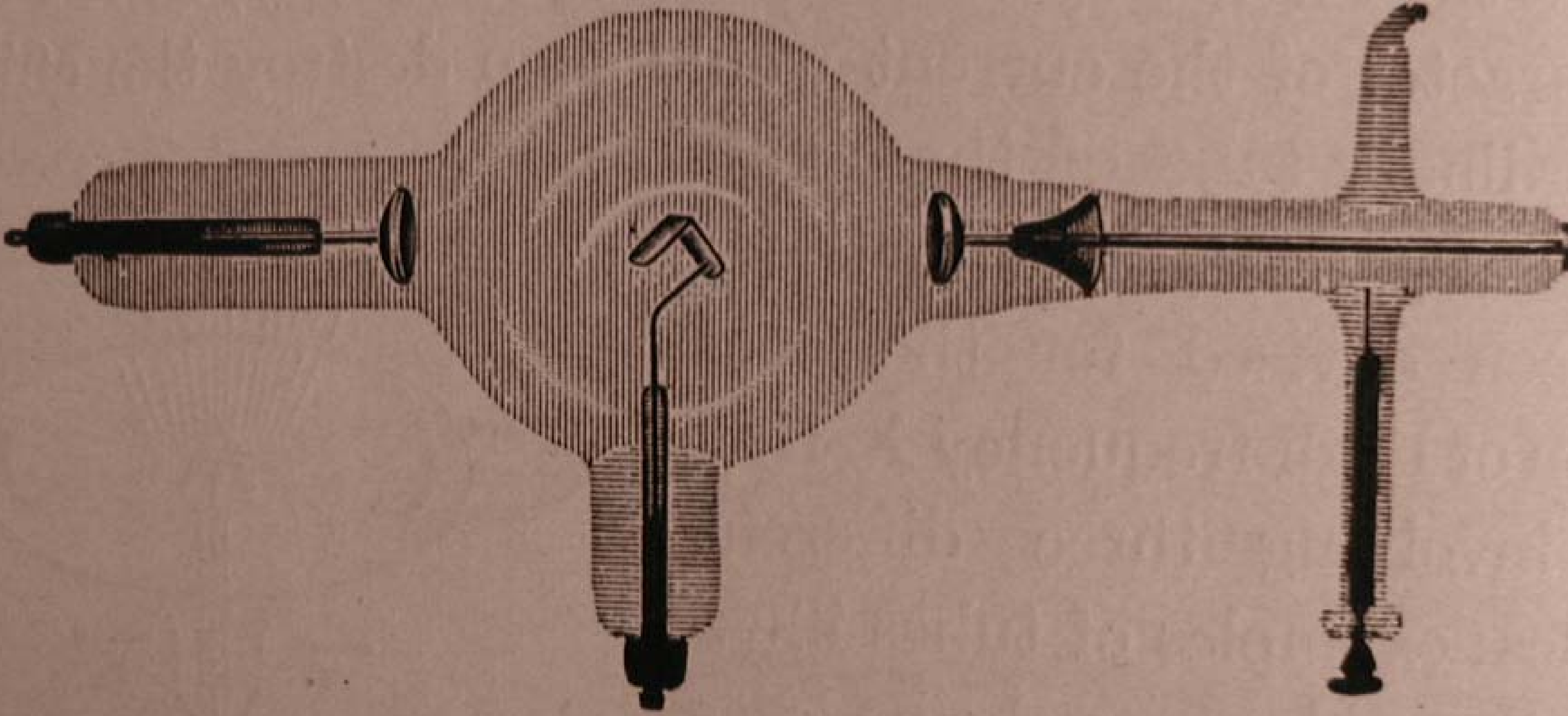
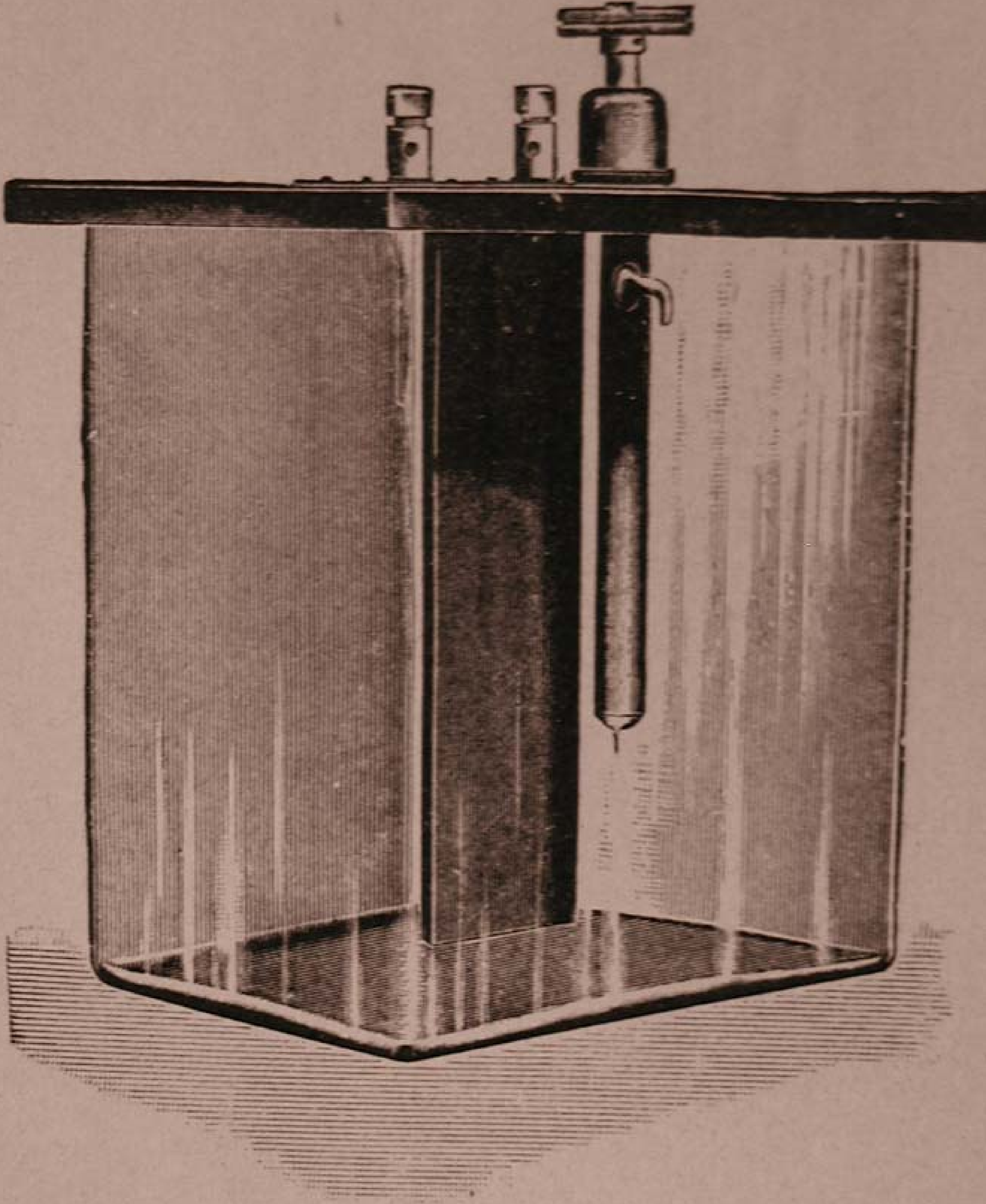
PATENT
No 511
HIGH FREQUENCY
MILLIAMPERE-METER
SWETT AND LEWIS
COMPANY
High Frequency Coils
18 BOYLSTON STREET
BOSTON
SL


Swett & Lewis Co.


Tesla Coil
Transformer
Condenser





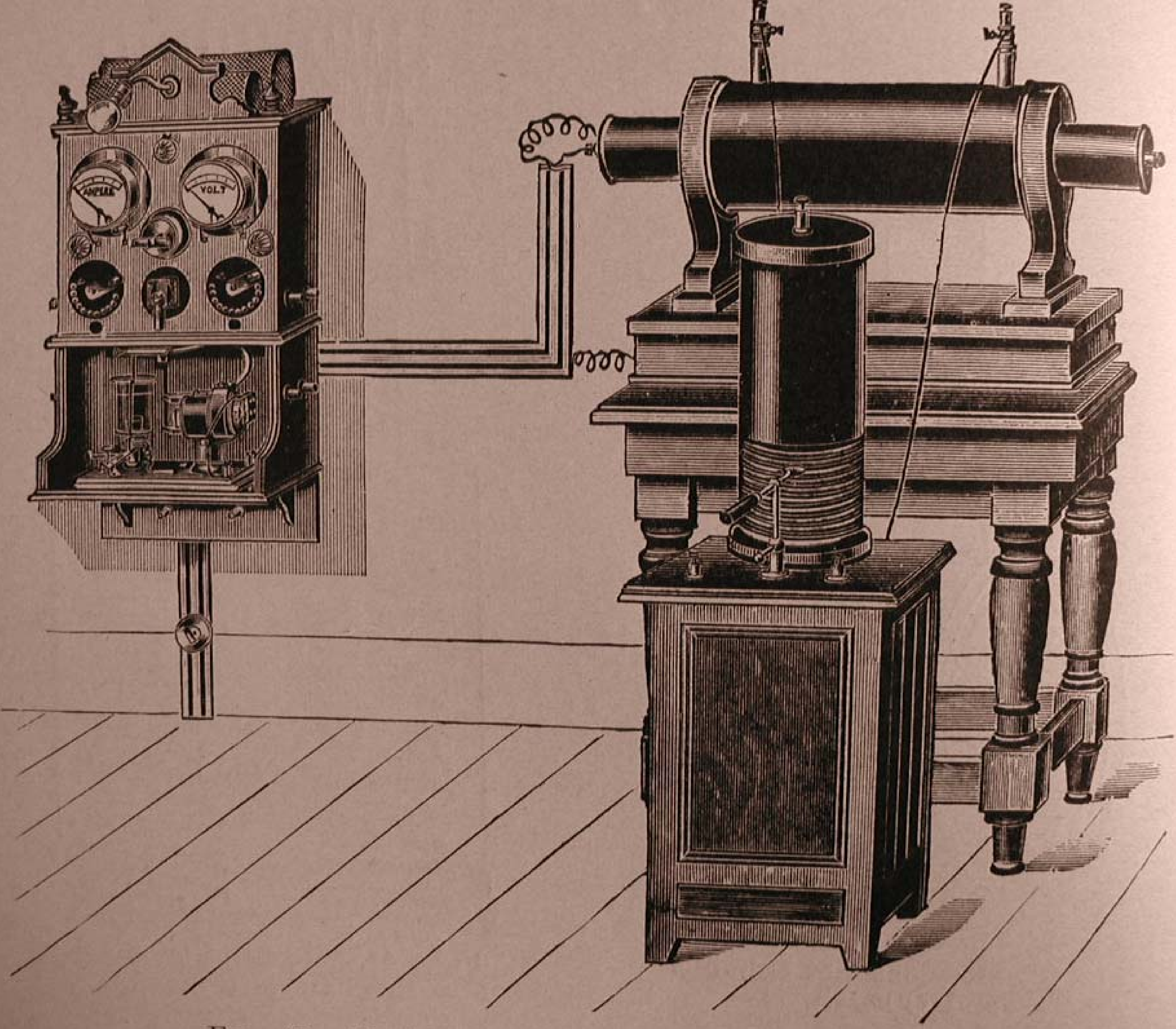
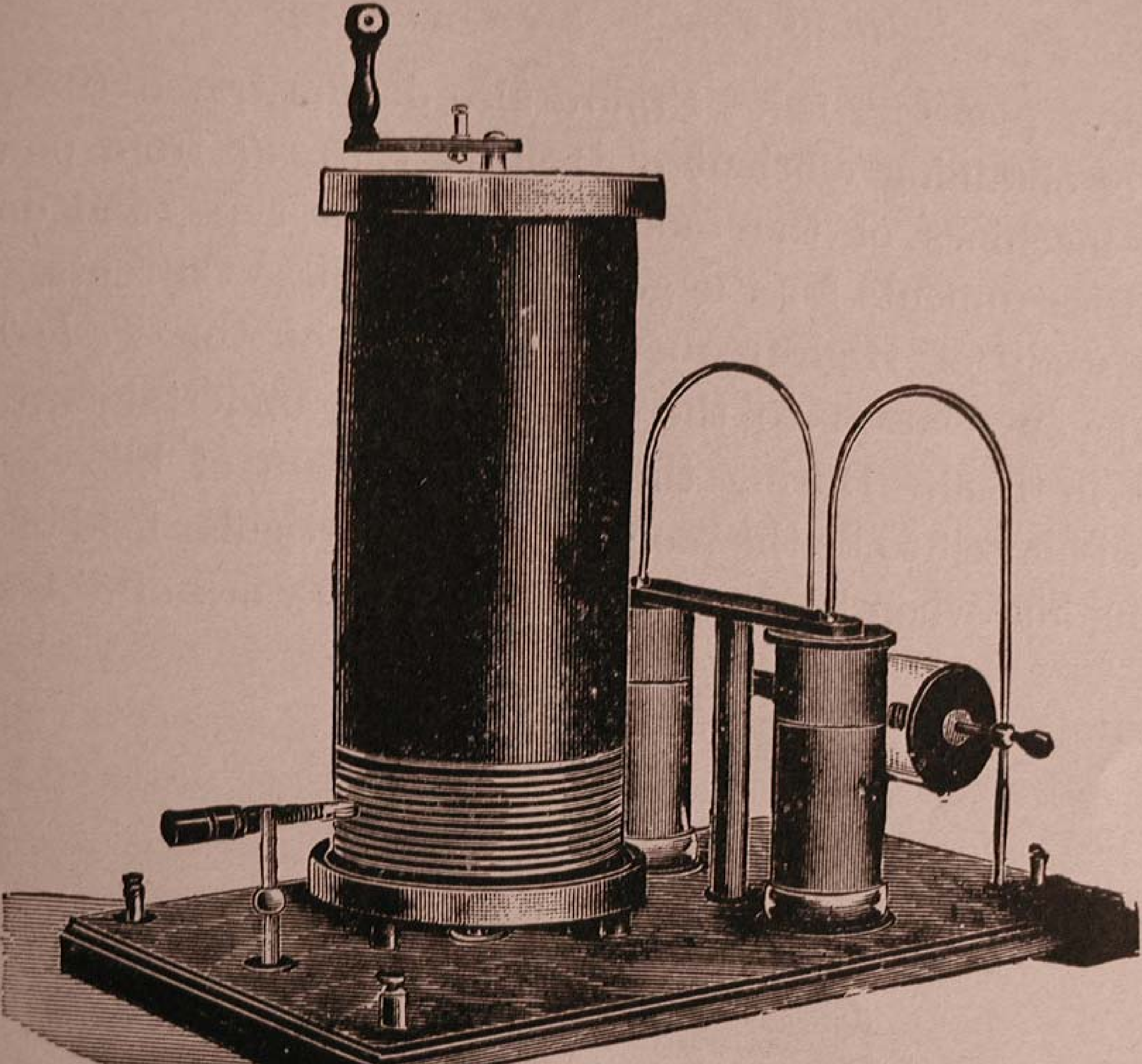
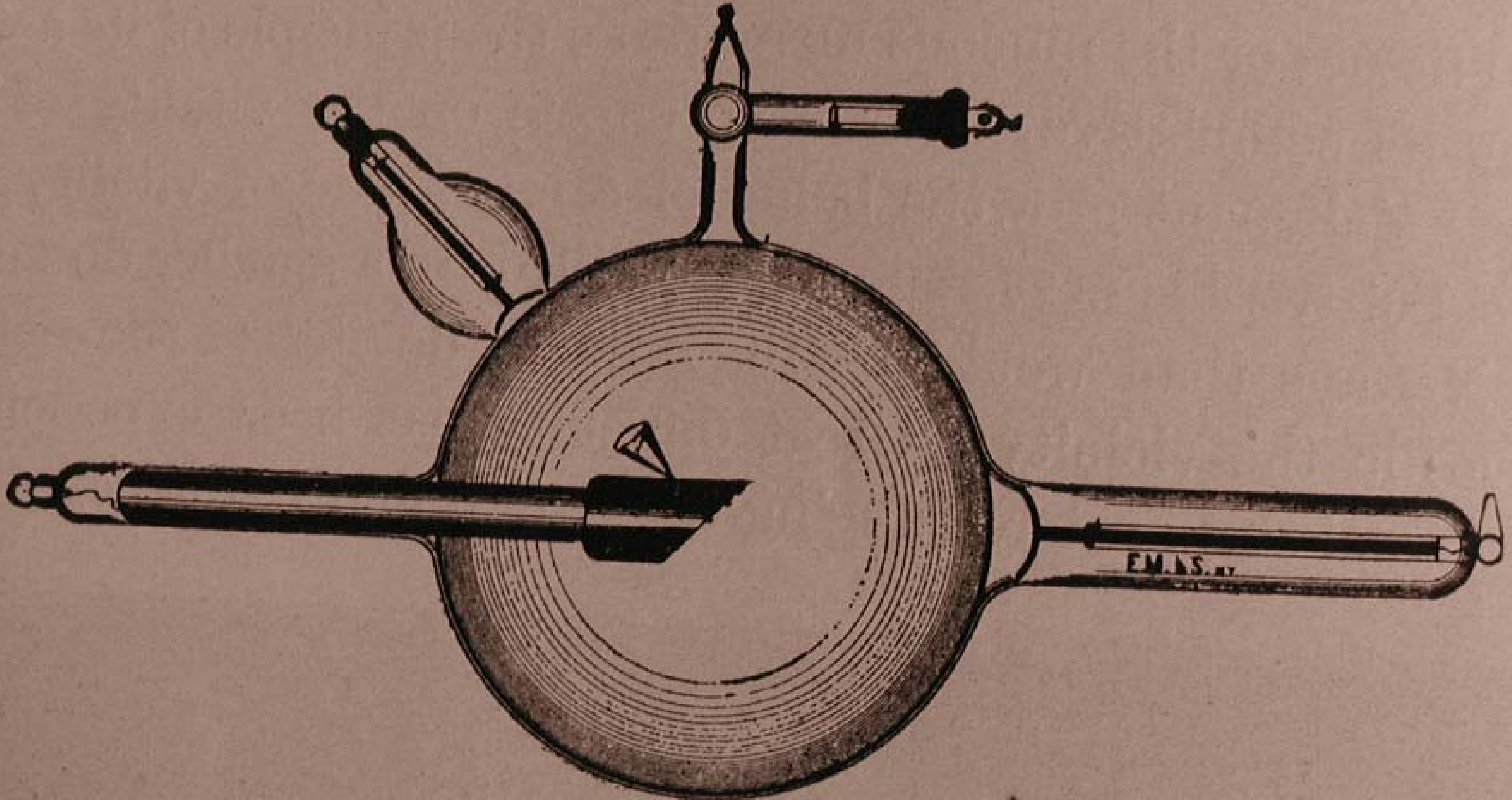
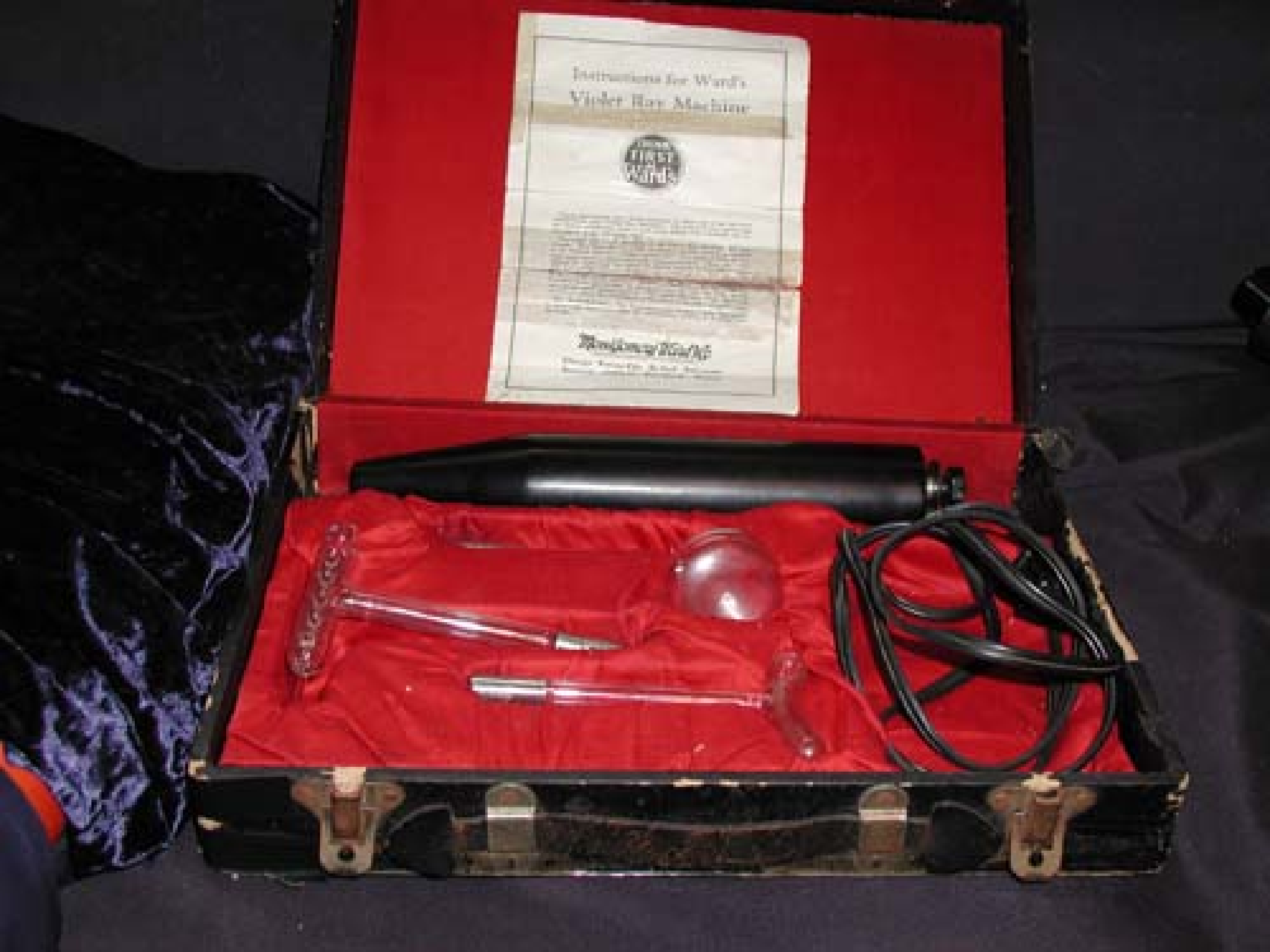

AMPERE
VOLT

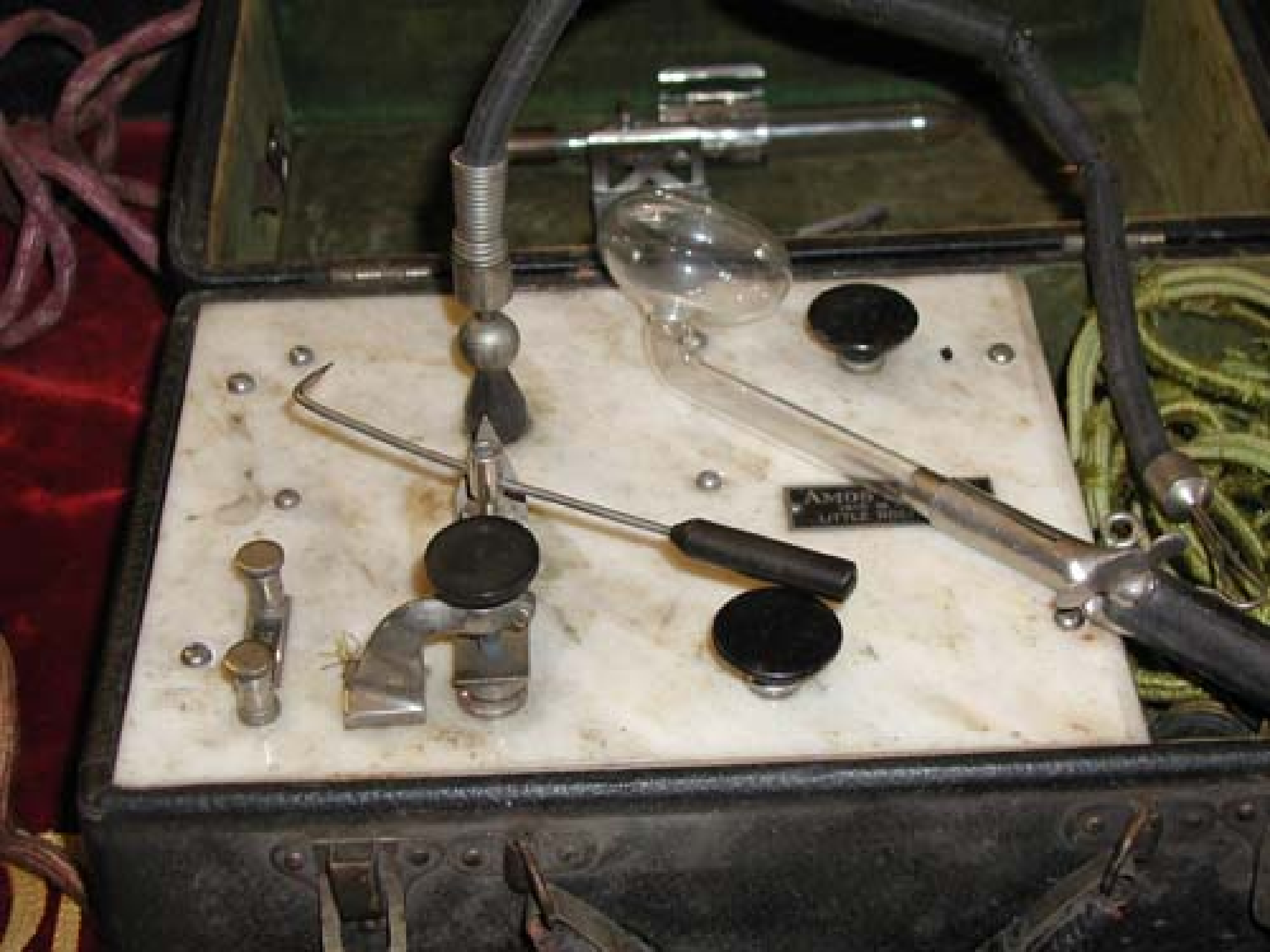
FIG. 42.—Upright Solenoid on Cabinet. (Williams.)




E.M.&S. NY


Instructions for Ward's
Violet Ray Machine
Montgomery Ward

MEDICAL ELECTRICITY
NIKOLA TESLA · WILLIAM TERBO
X-RAY COILS & DIATHERMY APPARATUS
VIOLET RAY HIGH FREQUENCY DEVICES
FARADIC MEDICAL BATTERIES
ULTRAVIOLET RADIATION & CARBON ARCS
MEDICAL ELECTRICITY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Suggestions for Treating Various Ailments (Cont.)

skin. Apply any antiseptic lubricant to the electrode before using.

Asthma:—Apply general electrode over the chest and throat glands for about five minutes using a strong current. A long period of daily treatment may be necessary in chronic cases.

Bruises:—Use general electrode over the area affected. Treat from five to ten minutes using a strong or medium current.

Bunions:—Use the general electrode in direct contact with the skin. Treat for about five minutes using a medium current.

Burns:—Apply electrode in close contact with the burned area, using a mild current. Give short treatments two or three times a day.

Brain Fag:—Use the general electrode over the forehead and eyes. Also treat the back of the head and neck, using a strong current and keeping the electrode in direct contact with the skin. Treat the spine also.

Stiff Muscles:—Use the general electrode to massage the muscles after strenuous exercise when stiffness occurs. Use a medium to strong current. Give five to ten minute treatments. The heat and direct contact of the electrode with the muscles should bring relief.

Blackheads:—Apply talcum powder to the skin. Using the general electrode give a mild treatment or medium treatment for about five minutes.

Bronchitis:—Give treatment as suggested for Asthma.

Catarrh—Nasal:—Apply the general electrode over the surface of the nose. Use a mild current and treat from two to five minutes.

Eczema:—By use of the general electrode excellent results have been obtained by using as much current as the patient can stand. Another beneficial way of treating is to apply [illegible] over this with the electrode.

Frost Bites:—Follow the suggestions for the treatment of chilblains.

Falling Hair:—Treat with comb electrode. Use a mild treatment at first and gradually increase it with successive treatments. Pass the comb back and forth over the entire scalp for about five minutes every day. **Do not use the Violet Ray immediately after applying any preparations containing more than forty per cent alcohol. Be sure the hair is dry.**

Gout:—Apply the general electrode to the spine to stimulate the system. Then apply the same electrode to the painful area, with a medium current. Keep the electrode in contact with the skin but move it about. Pain may be noticed at first but relief should follow the treatment.

Headaches:—Headaches in the front and rear parts of the head can be relieved by using the general electrode over the seat of the pain. Keep the electrode in loose contact with the skin and treat until relief comes. This usually takes from five to ten minutes.

Insomnia:—Use the general electrode, keeping it in light contact with the back of the head and neck, going down the spine for about five minutes just before retiring.

Lumbago:—Apply the strong current through the clothing using as strong a current as you can stand. Keep moving the electrode around. After continued treatment the pain should be relieved.

Neuralgia:—To obtain a hurried relief of neuralgia use the general electrode. Pass back and forth in light contact with the skin giving ten minute treatments as needed.

Neuritis:—Use the general electrode and apply it to the seat of the pain or to the entire body, depending upon conditions. Start with a light current and gradually increase it. Give about five minute treatments.

Rheumatism:—Apply the general electrode over the area of pain for ten or fifteen minutes [illegible]

The Spine:—The spine is one of the most important parts of your body. Nerves from all important organs in the body are attached to it. Therefore it will prove beneficial in any treatment to go over the spine with the general or spine electrode.

Points to Remember

Do not use your Violet Ray outfit when the hands or body are wet.

Take good care of the connecting cords of your Violet Ray Machine. Keep them dry and free from knots and twists. When signs of wear appear have the cords replaced.

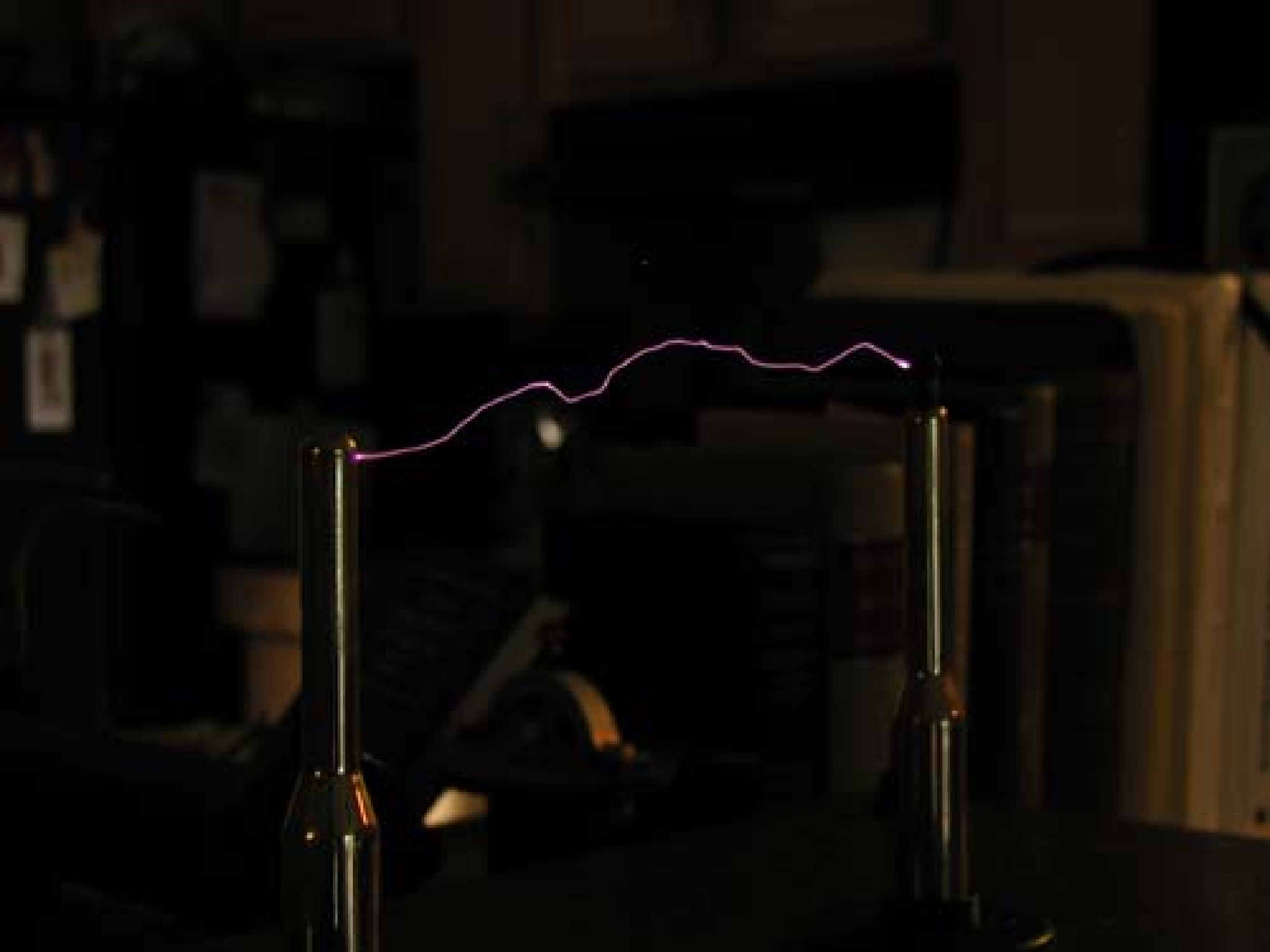
It is advisable to hold the handle of the machine at the end away from the electrode. Should the current be turned on, the current will jump from the tip of the handle to the hands, if they are near at the end at which the electrodes are inserted.

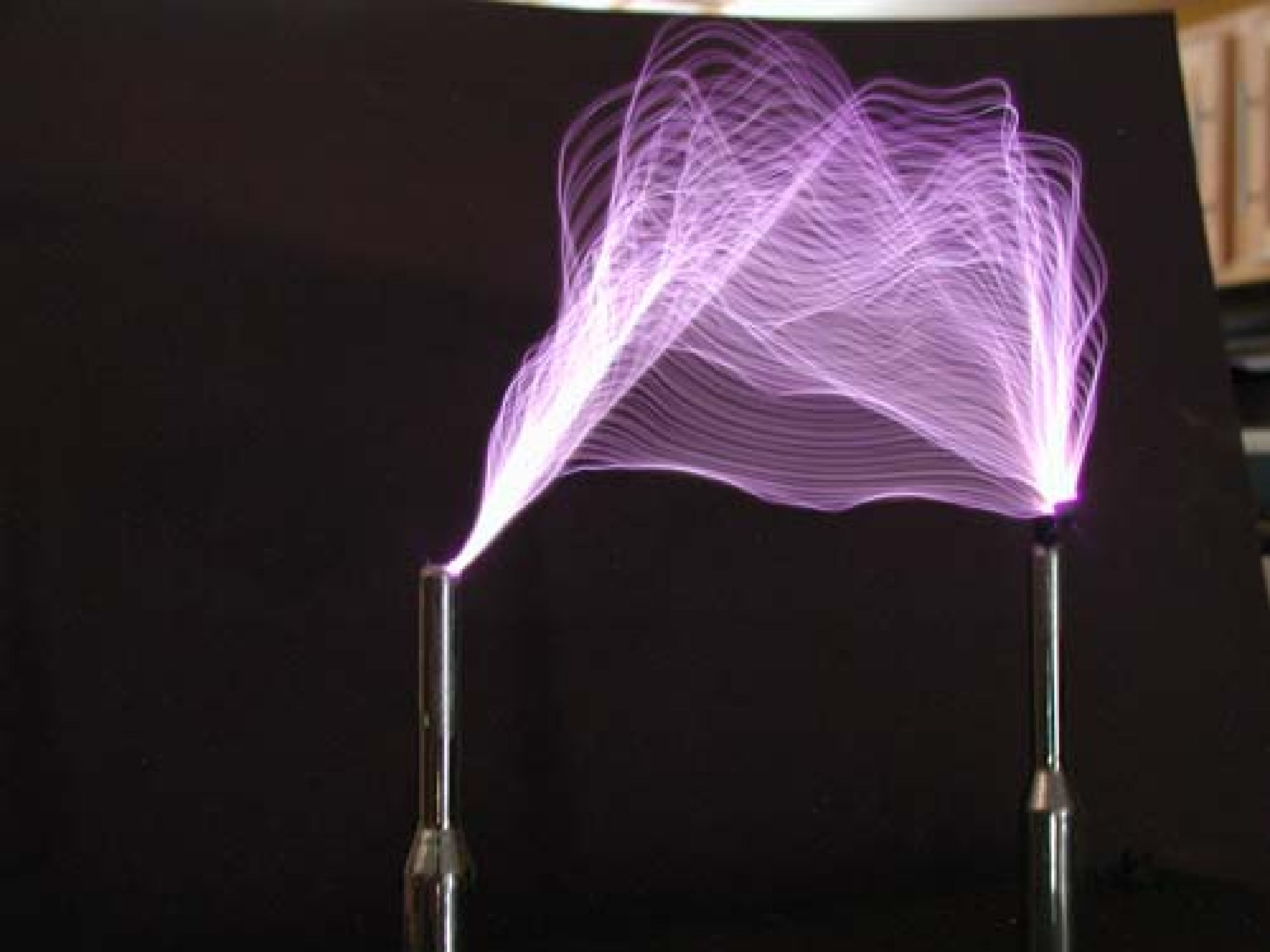
The Violet Ray should not be used when any tonic or medicant, containing a high percentage of alcohol has been applied to the body or hair.

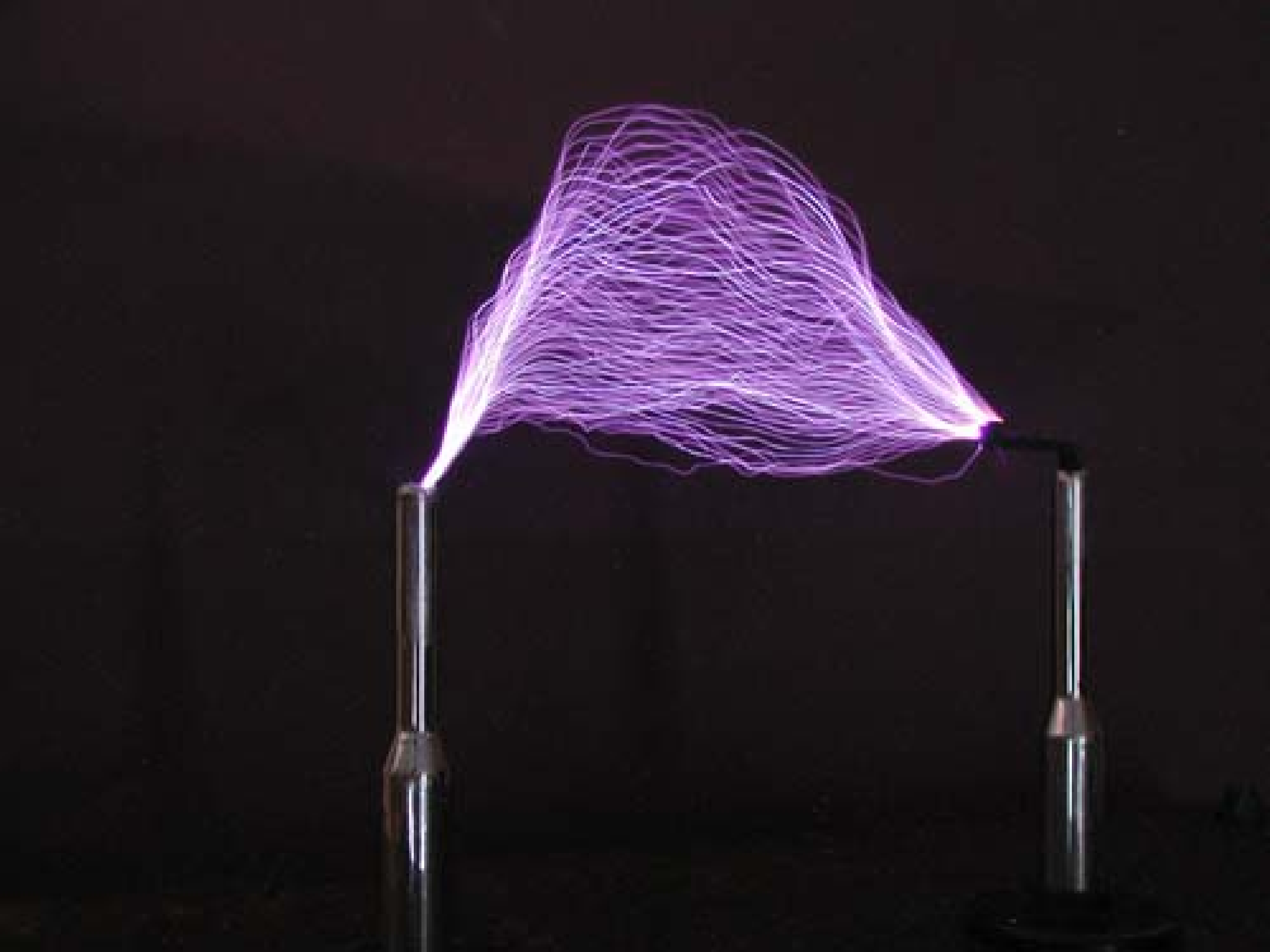
Be sure that the current is always turned off when the instrument is not in use.

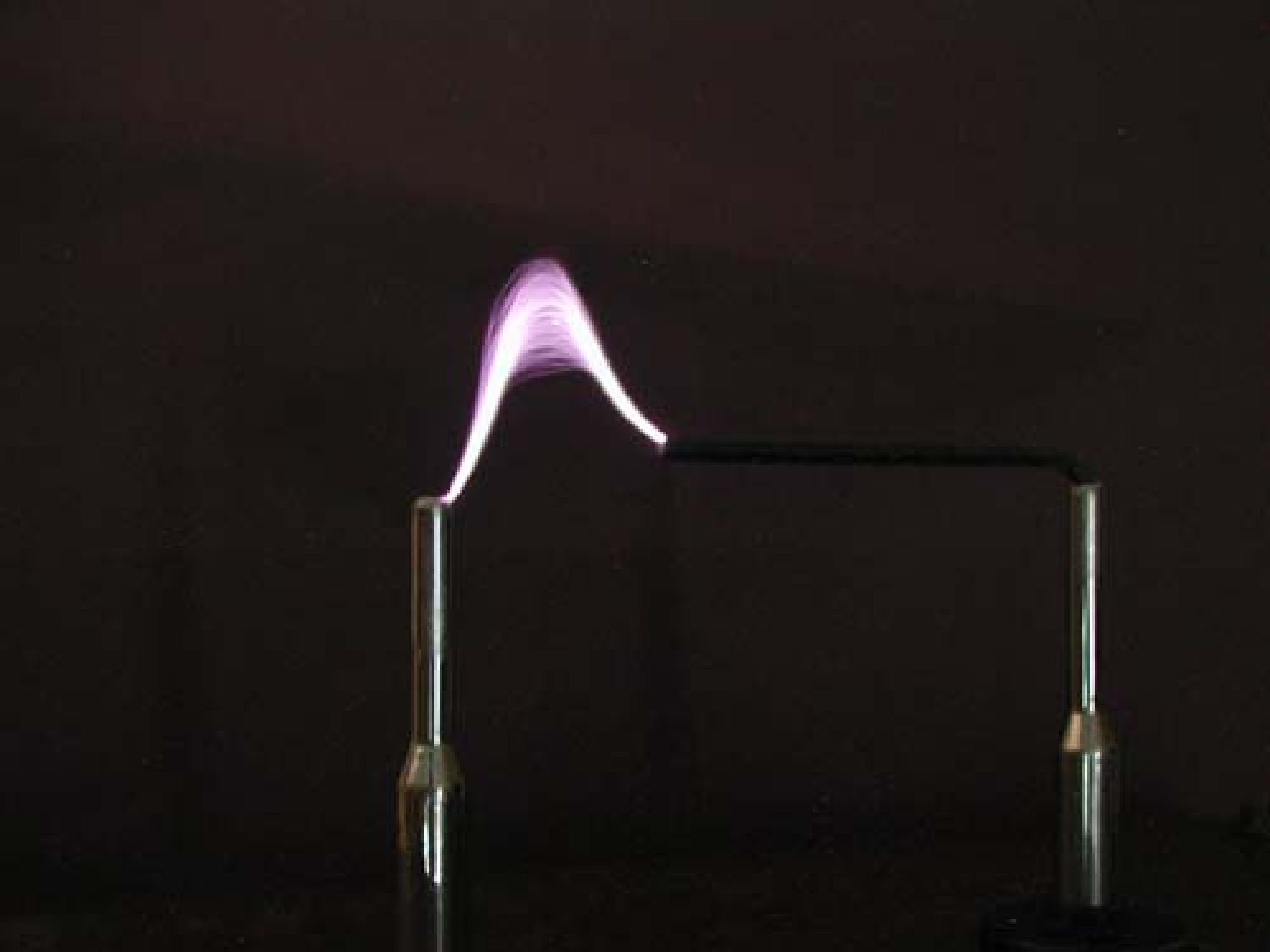
There is nothing to oil on your Violet Ray Machine. The only care necessary is to keep it clean and dry.

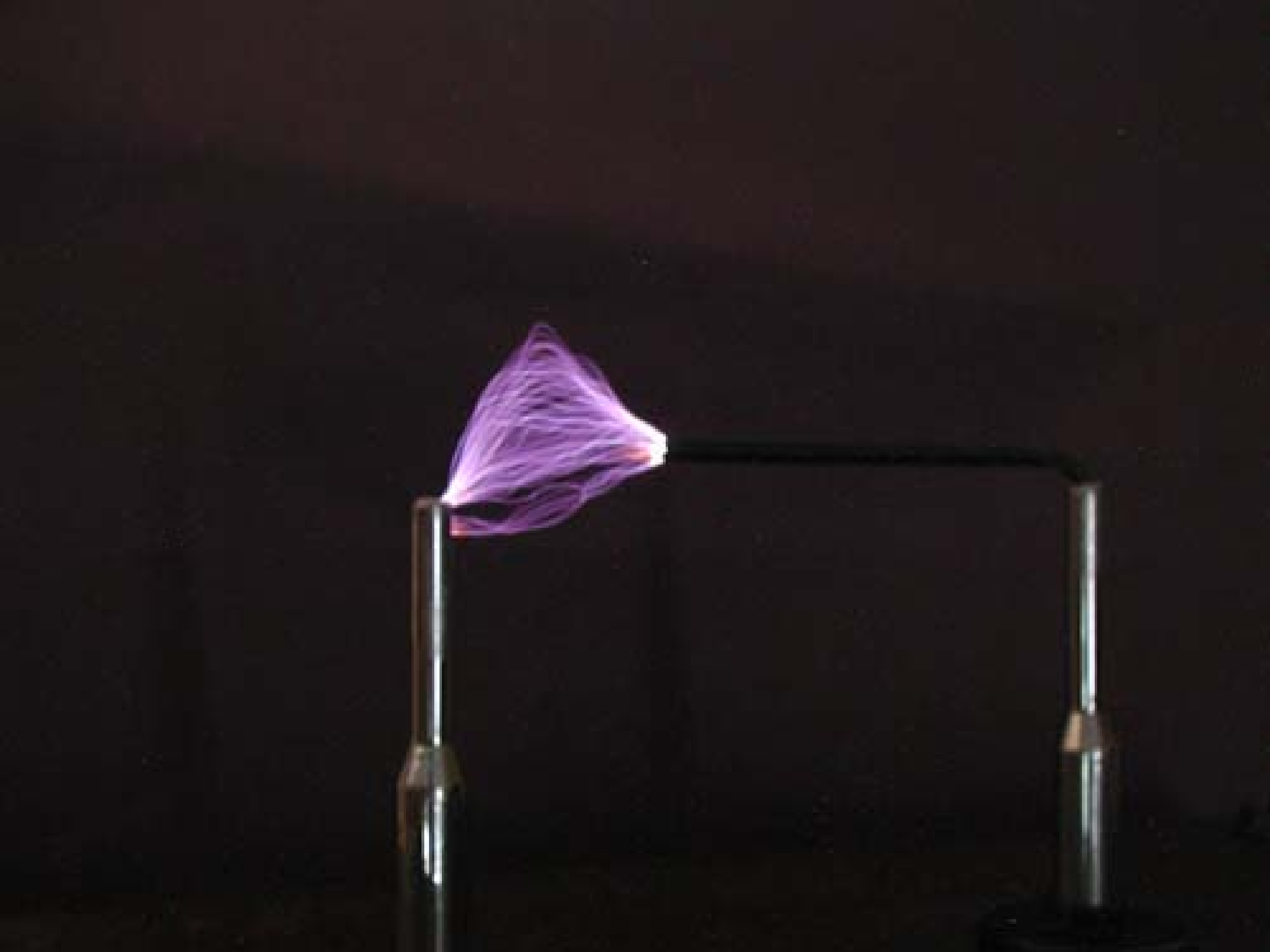
Start any treatment with a mild discharge and increase it gradually to the required strength. This will insure painless treatment.

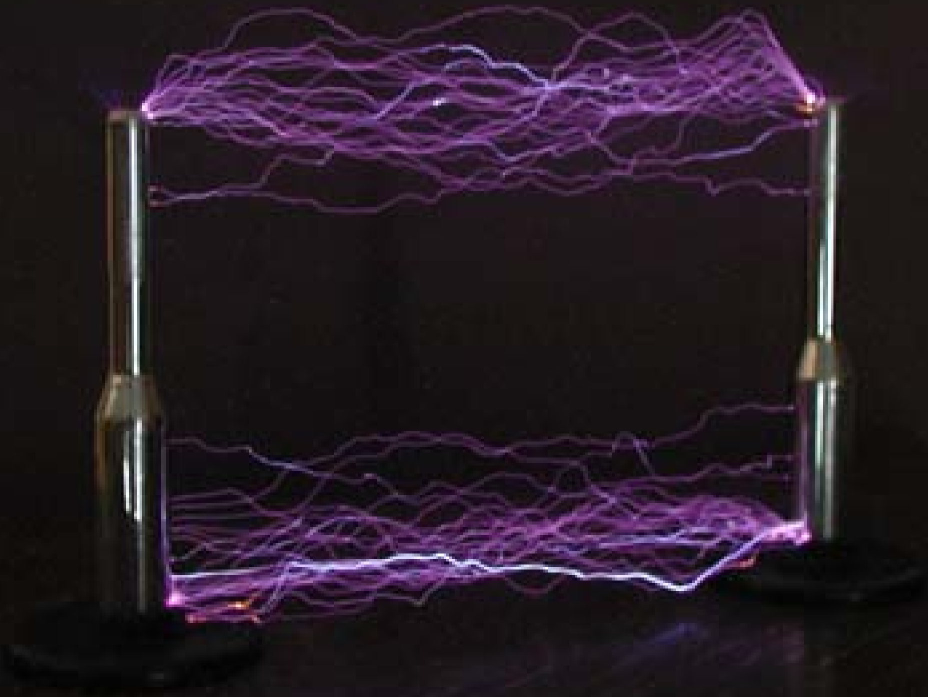


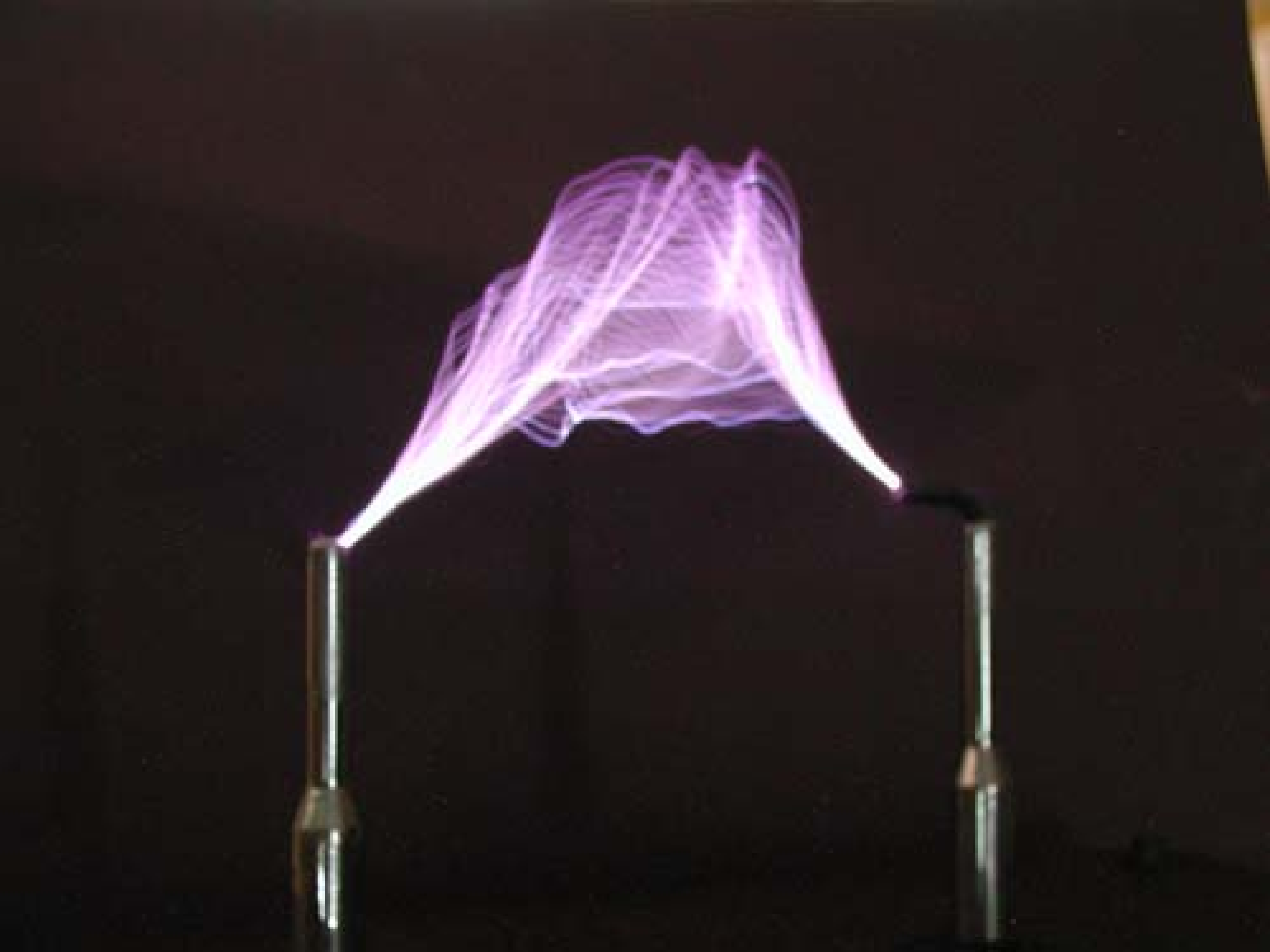












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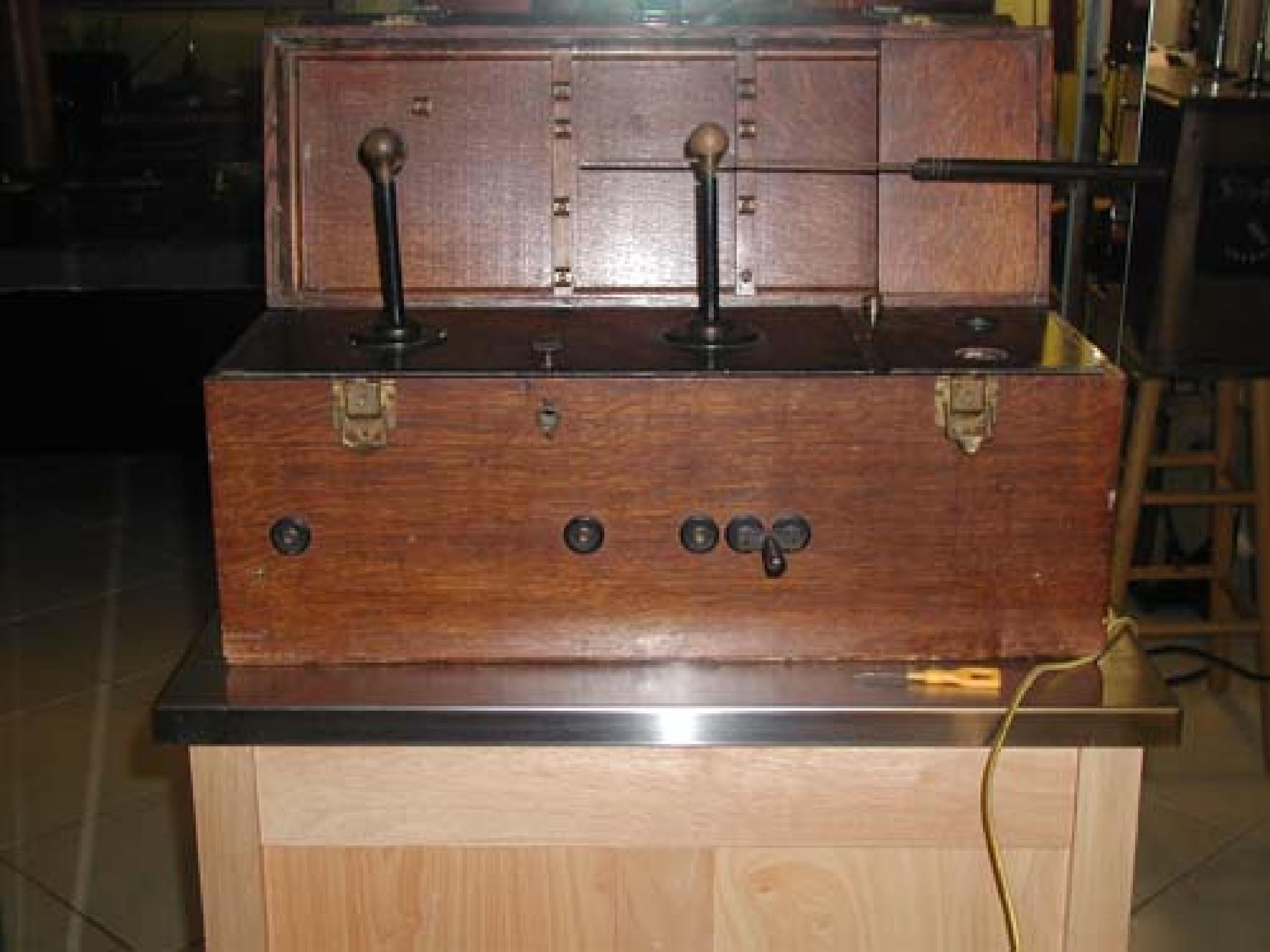

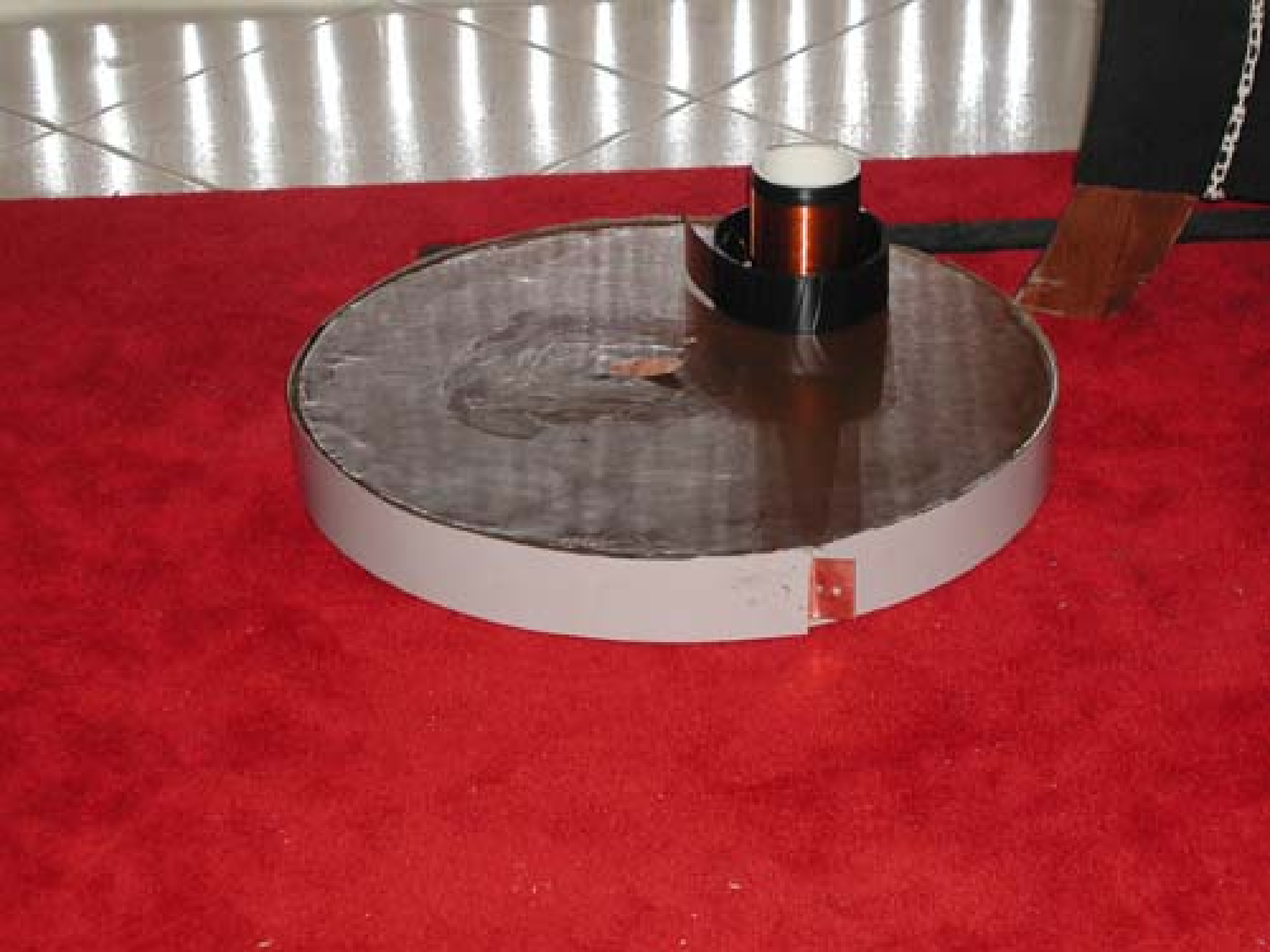

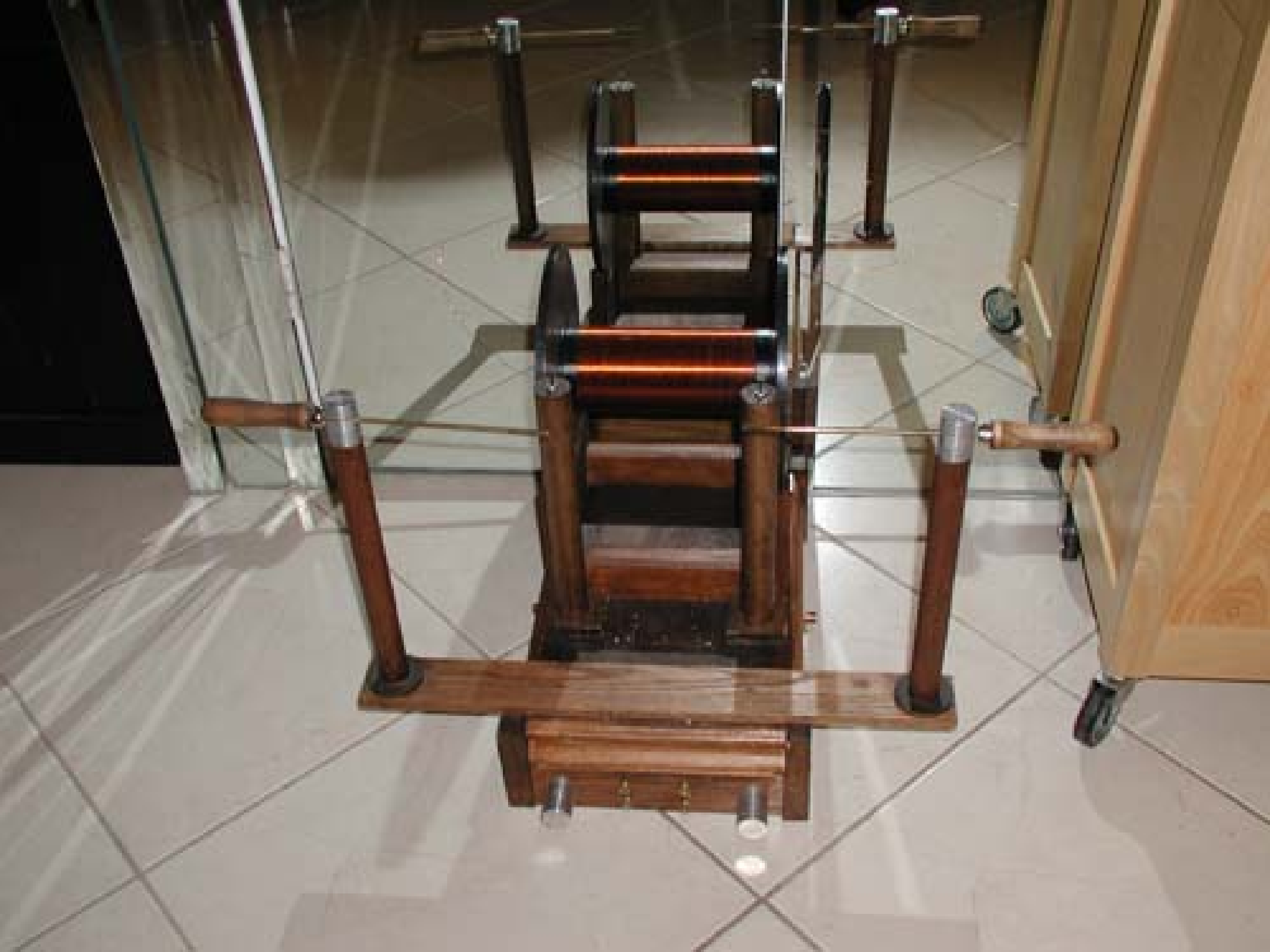

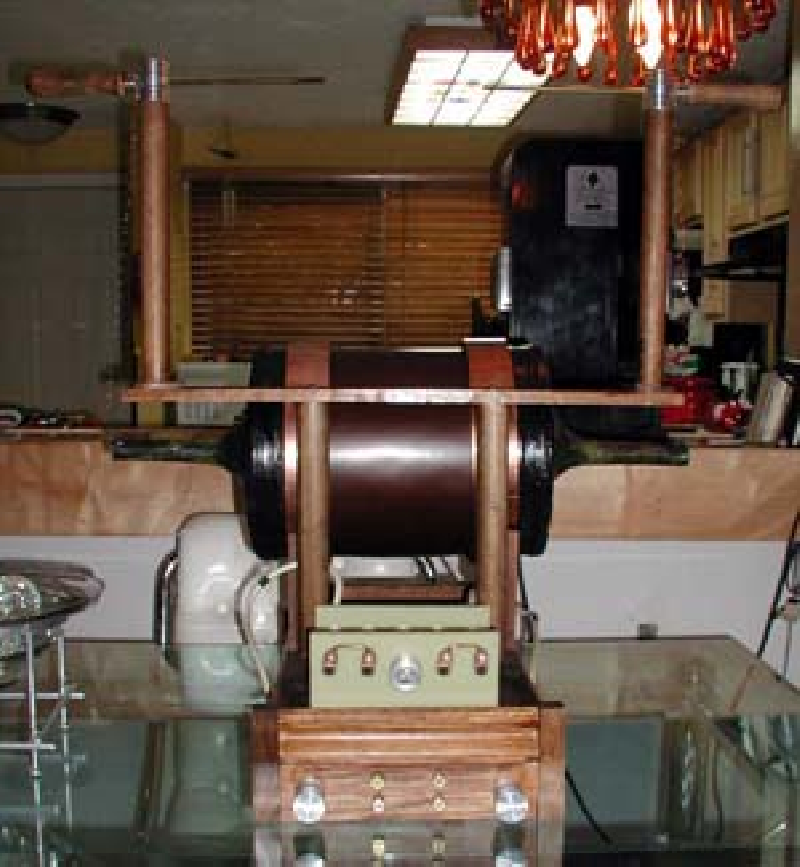

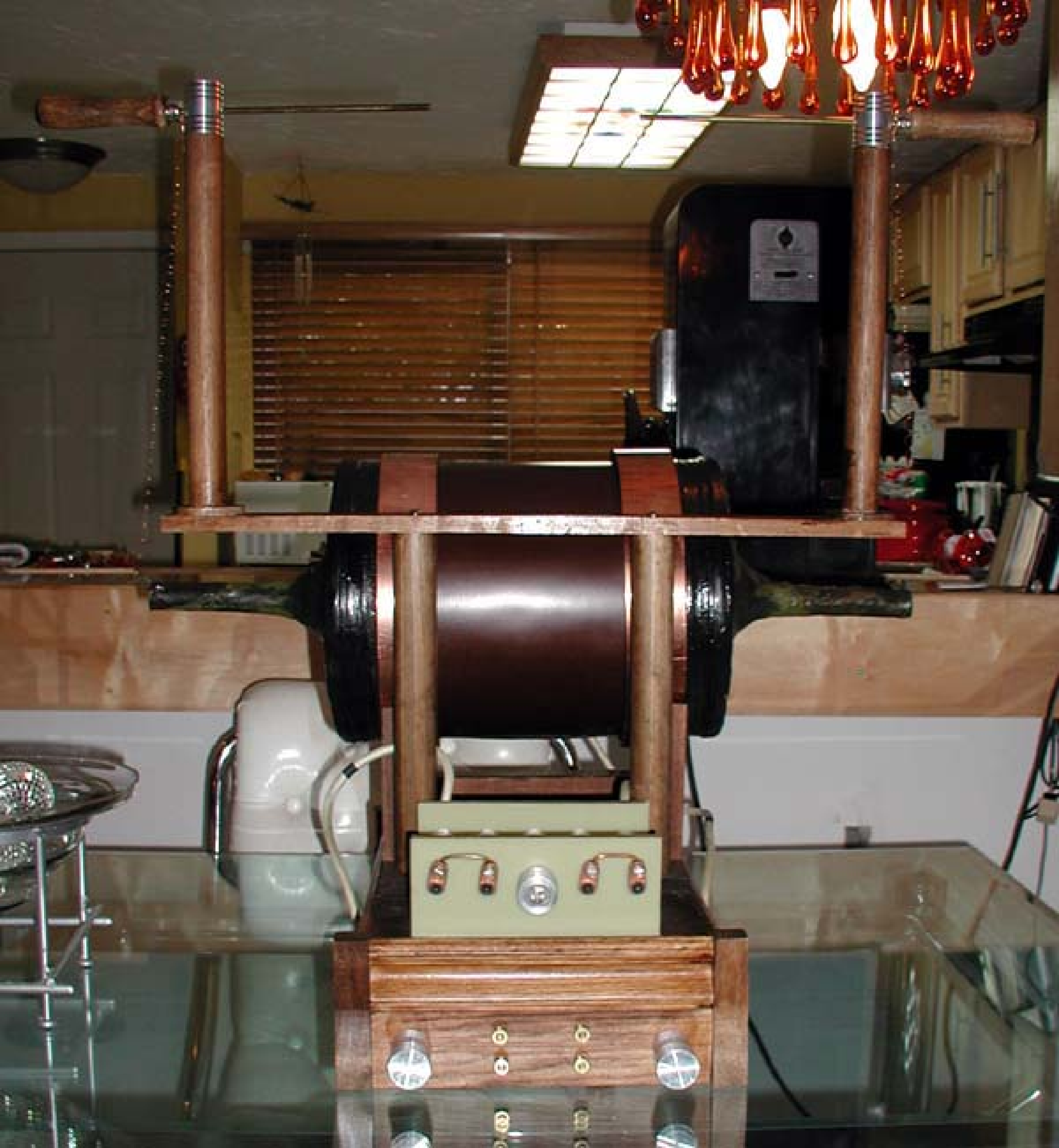

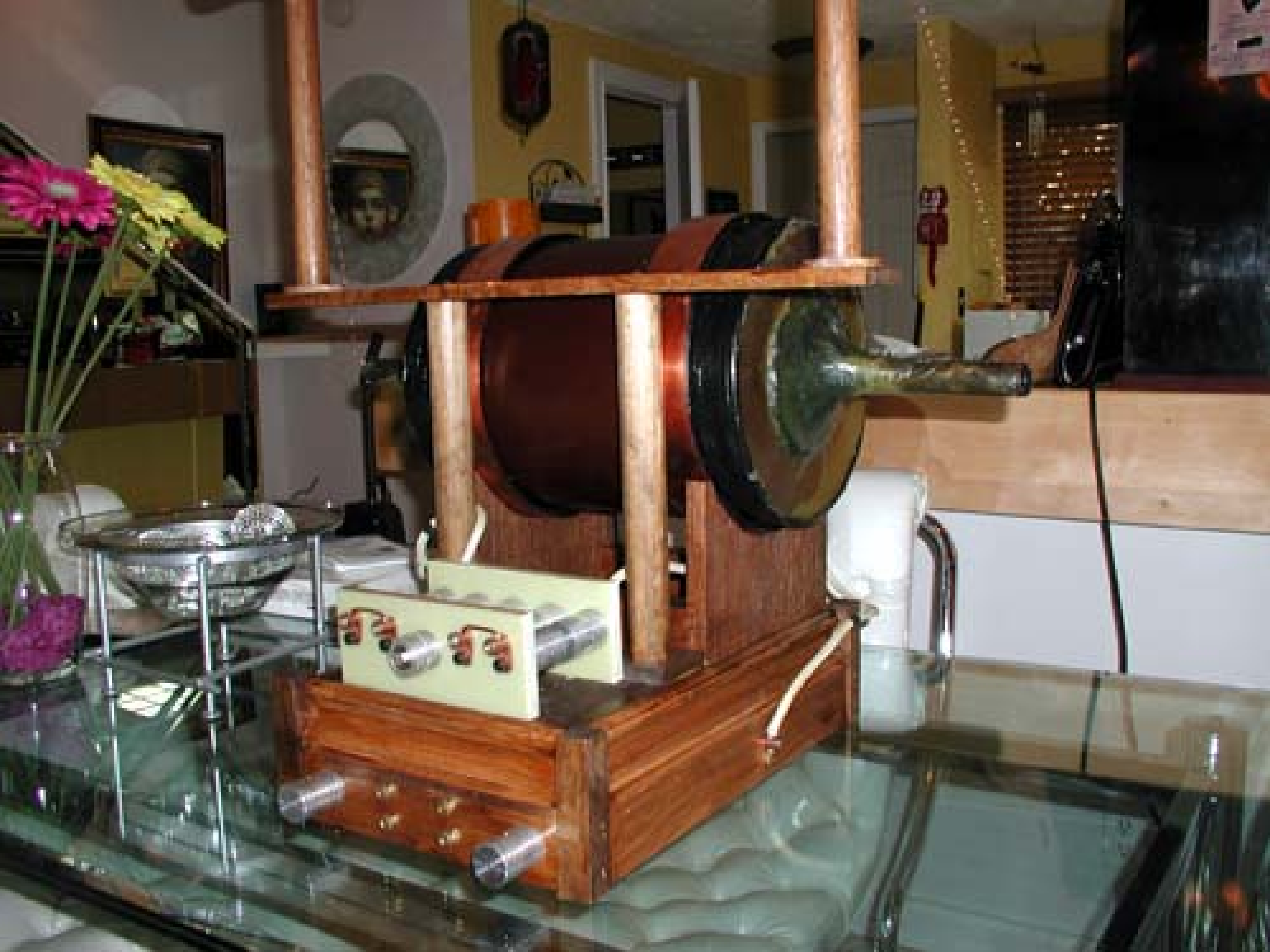

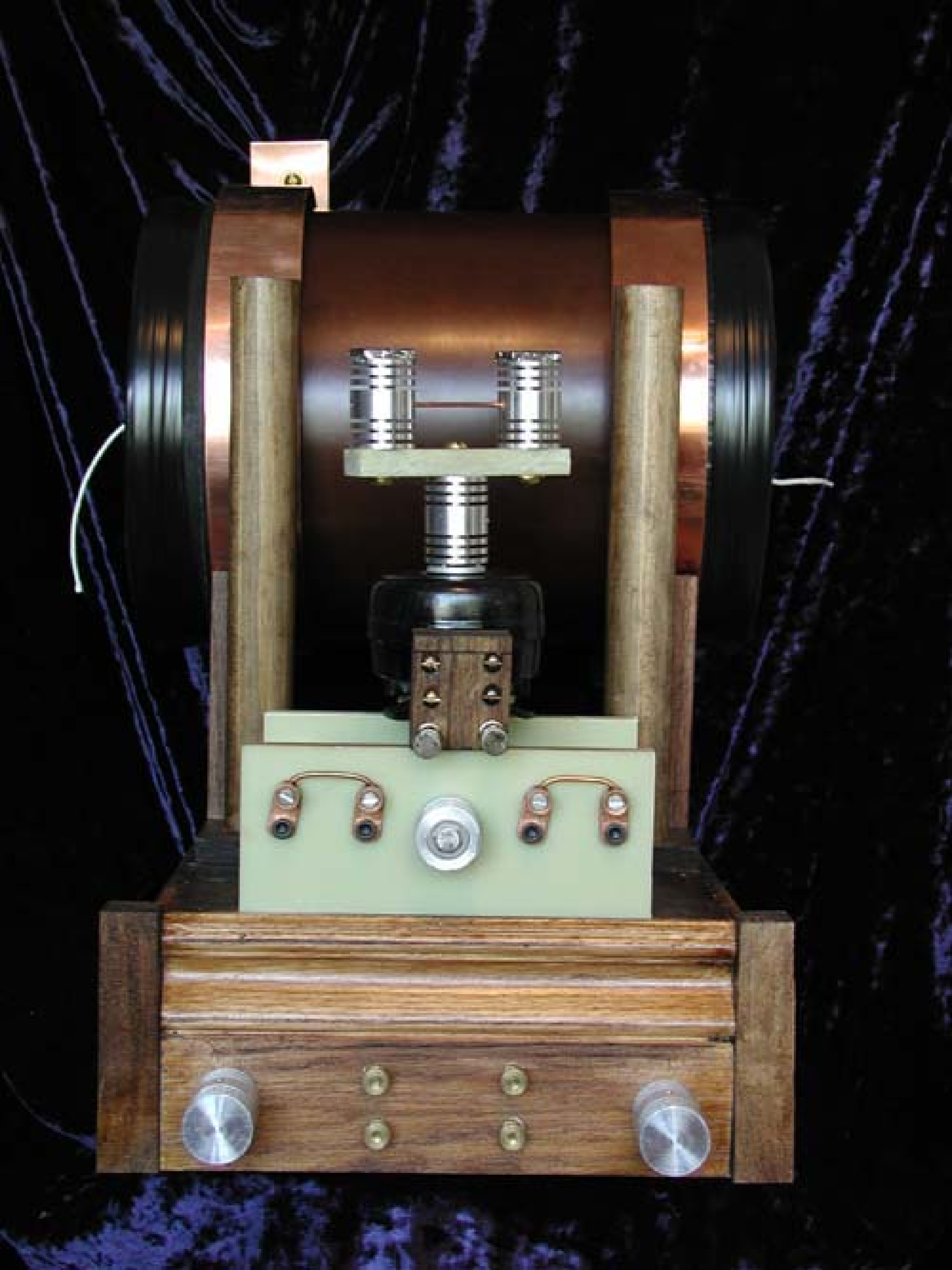

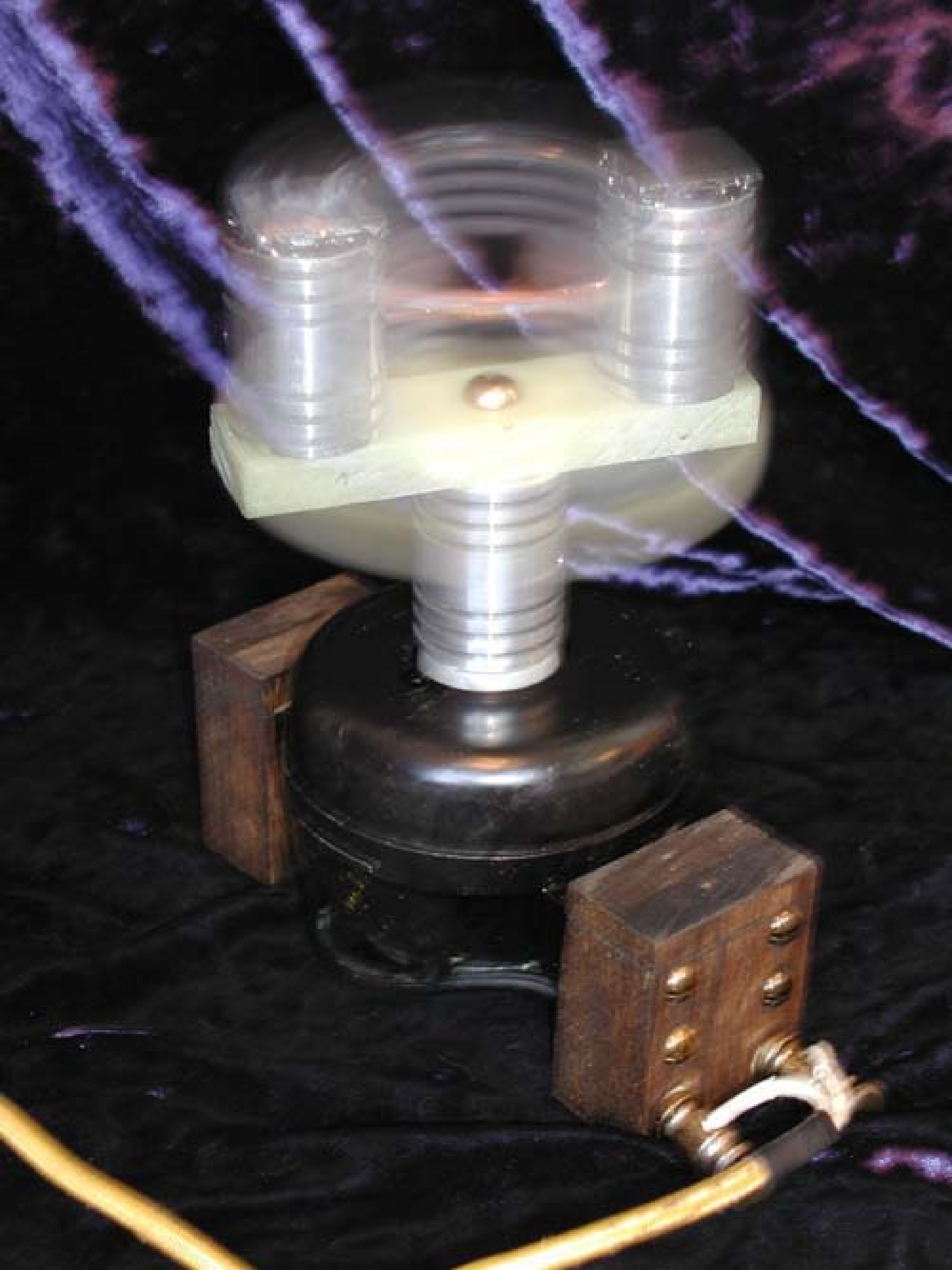

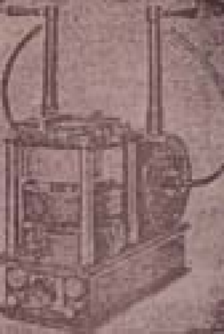

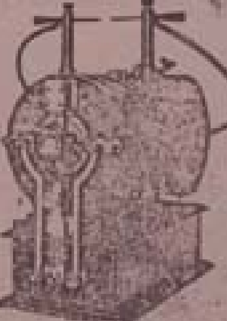

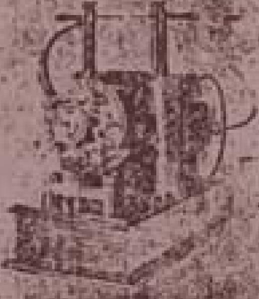

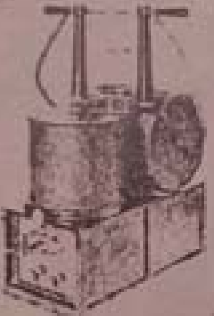

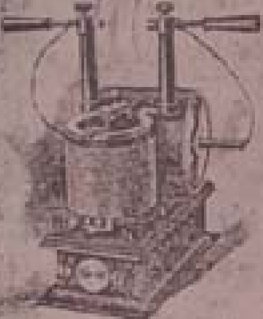

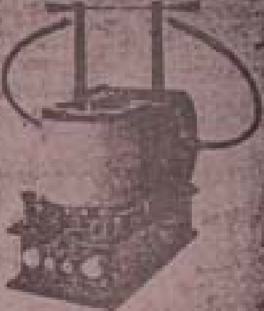

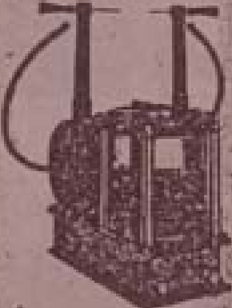

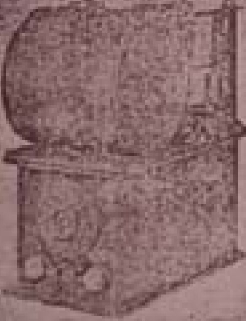

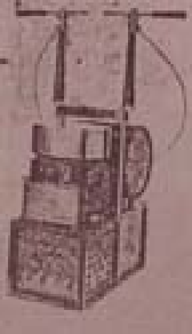

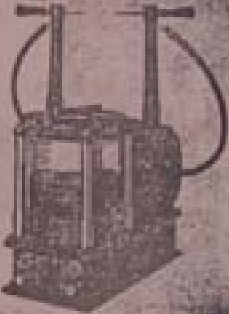

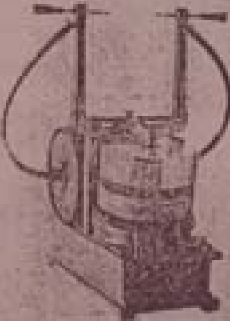

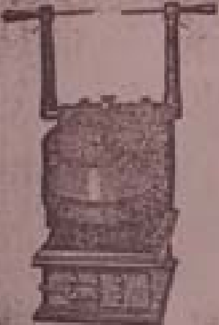

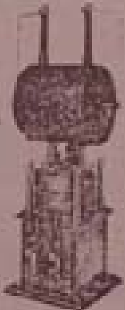

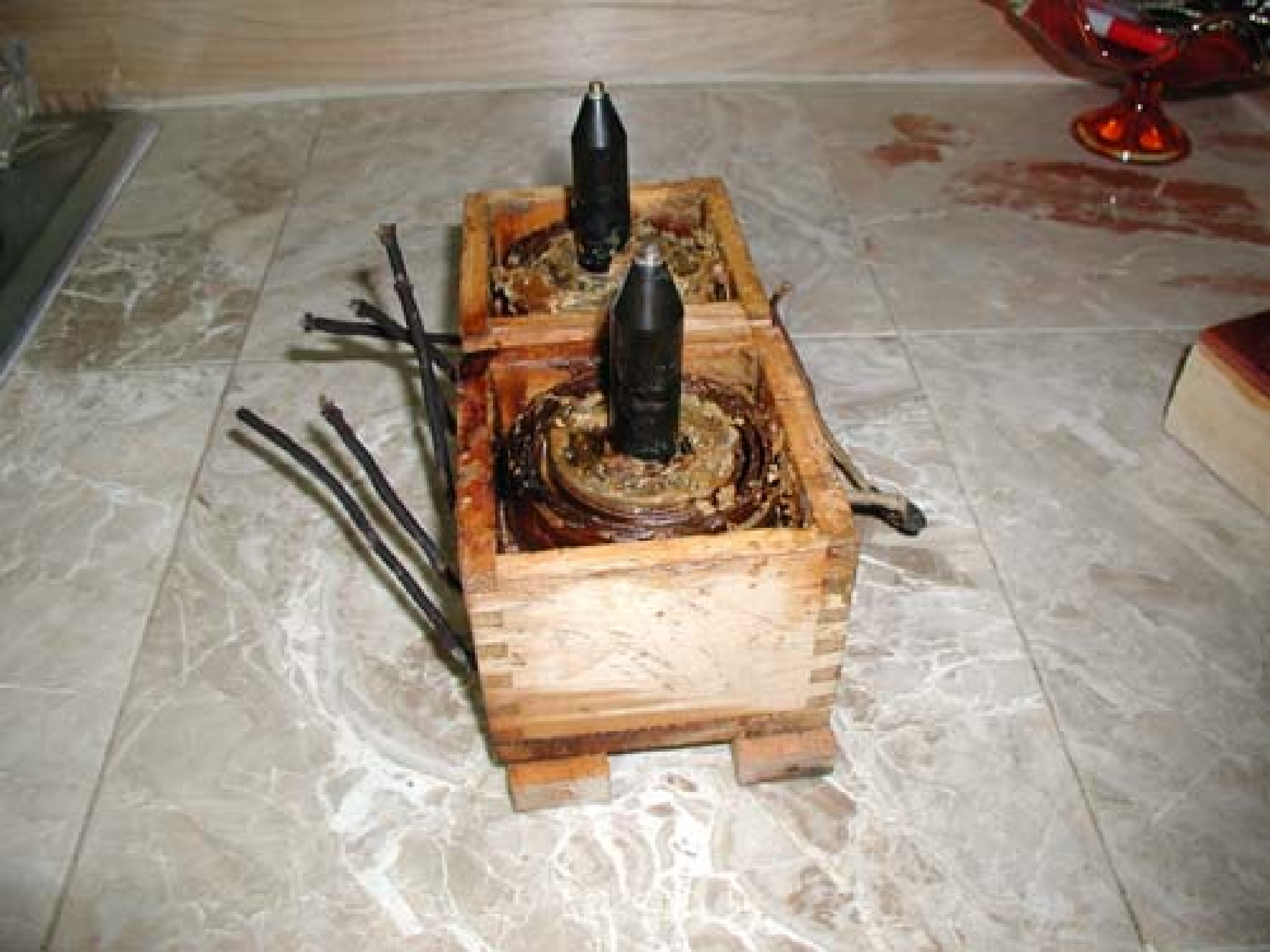

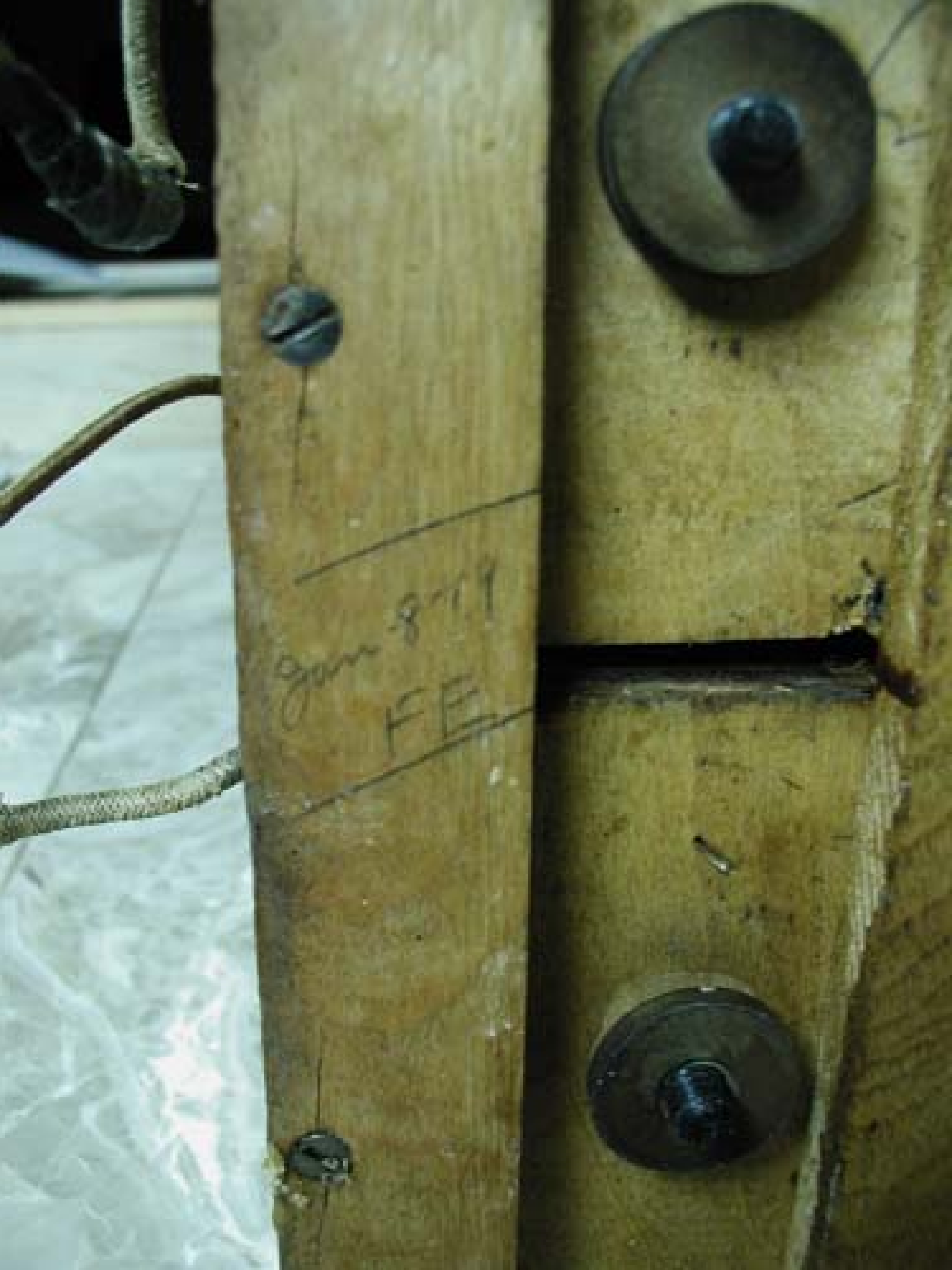
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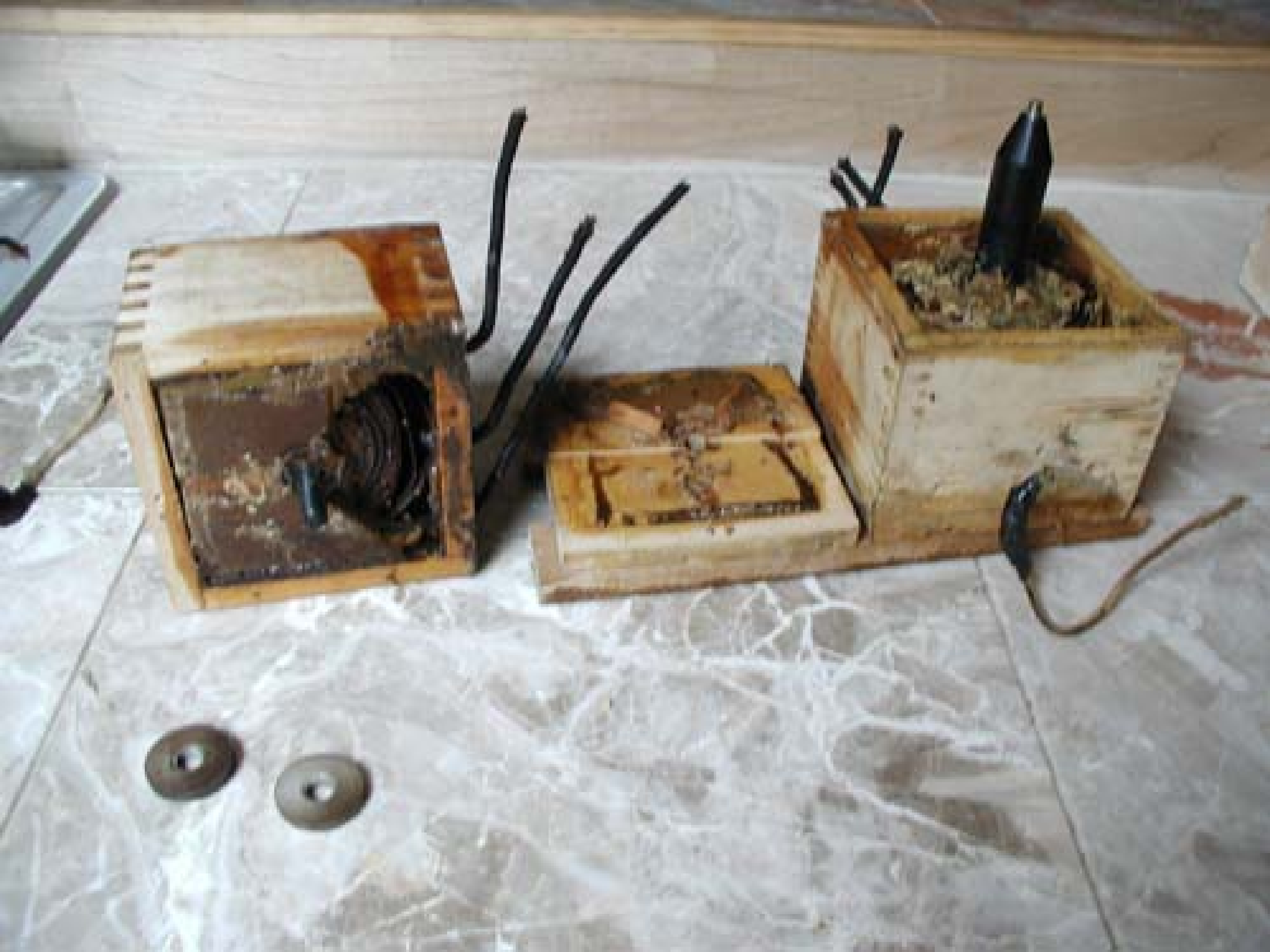

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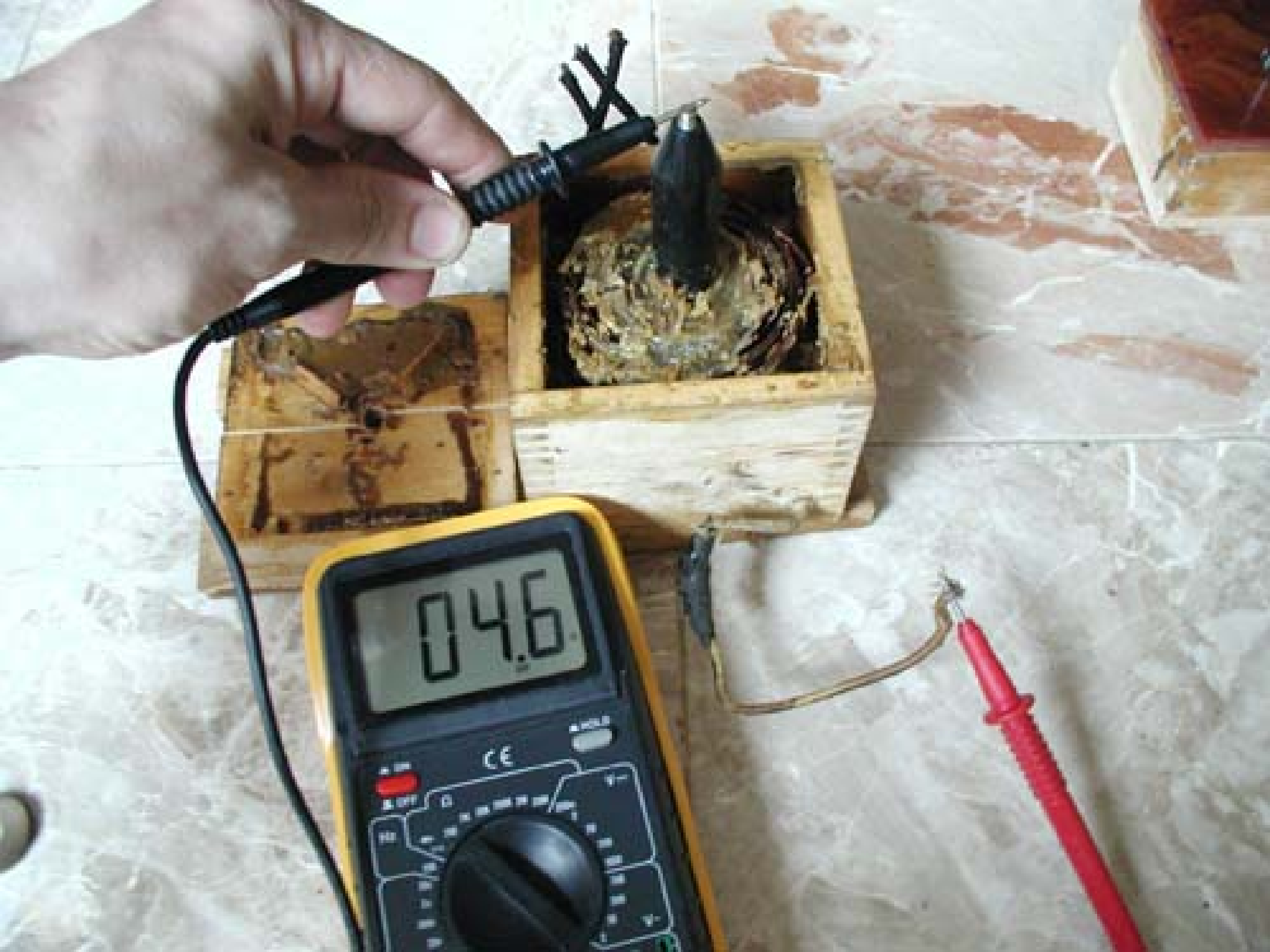
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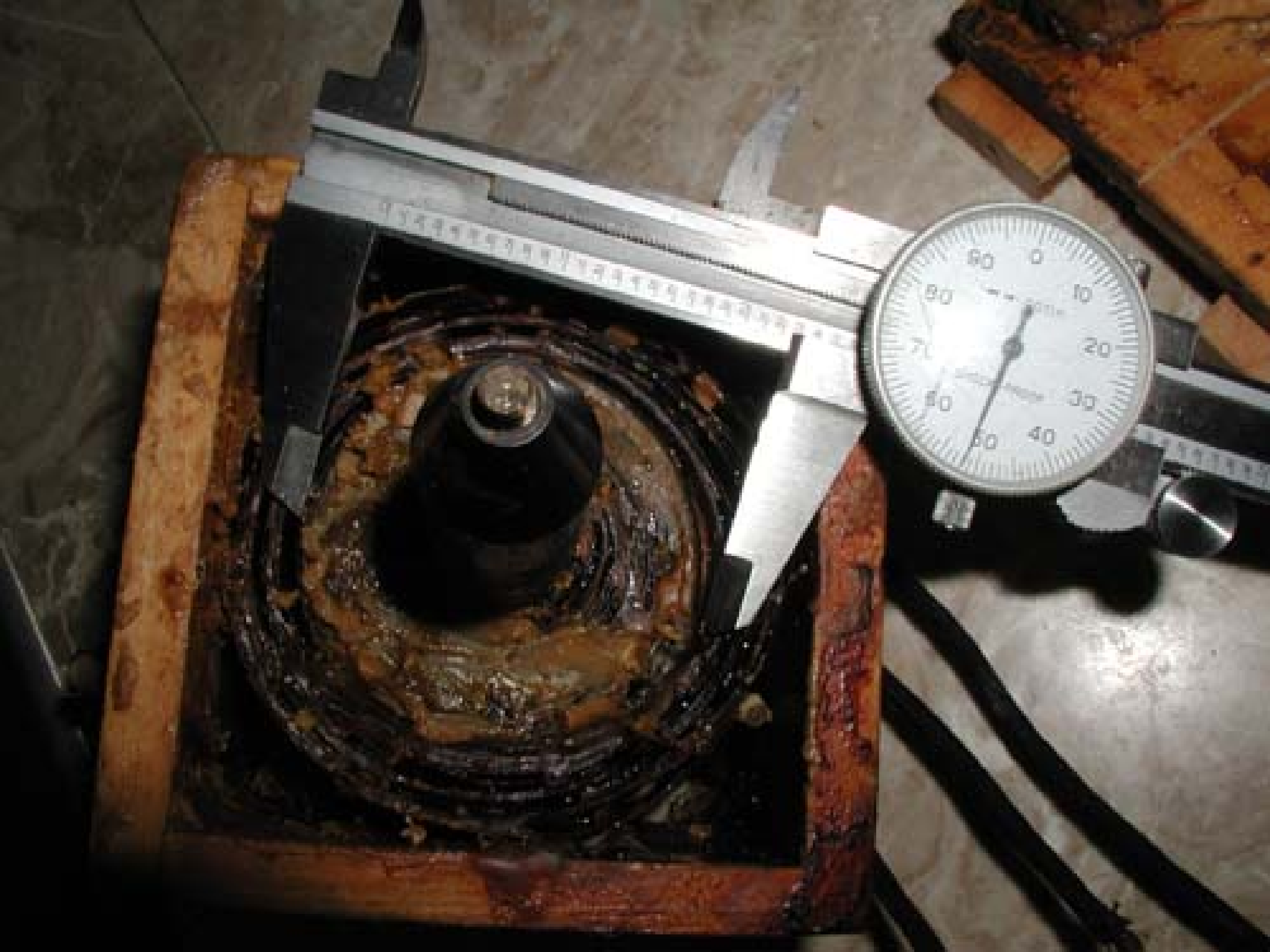

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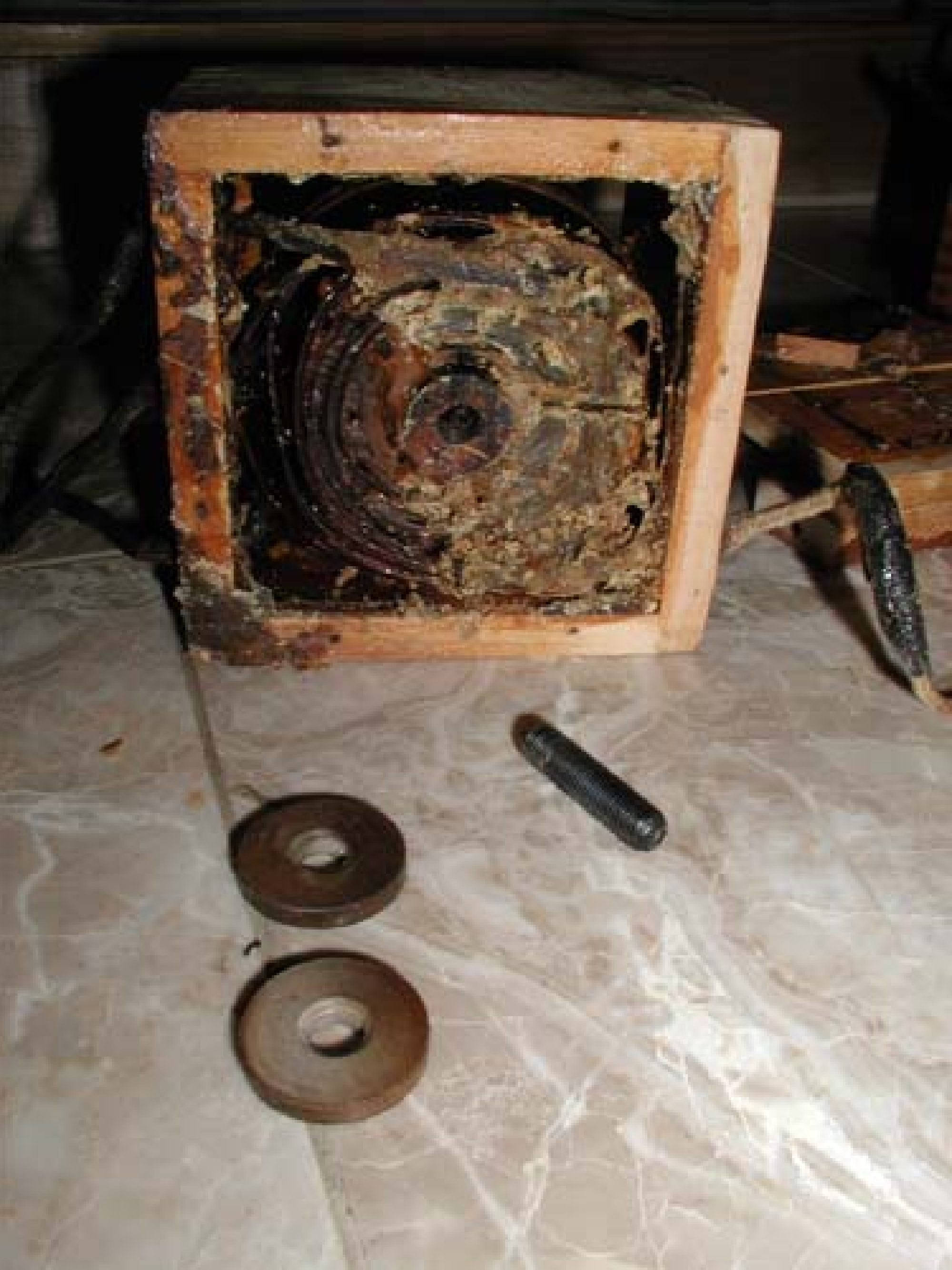

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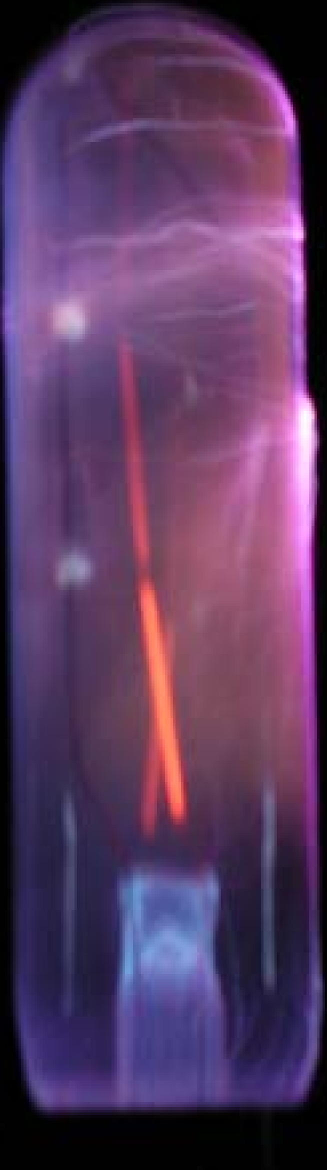

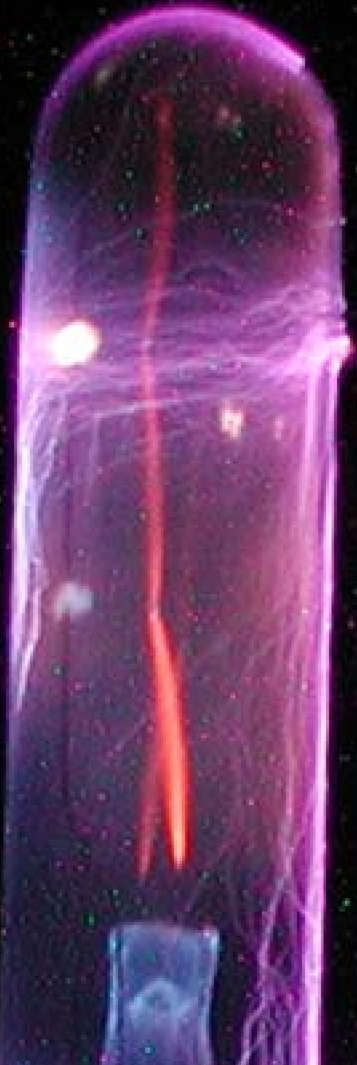

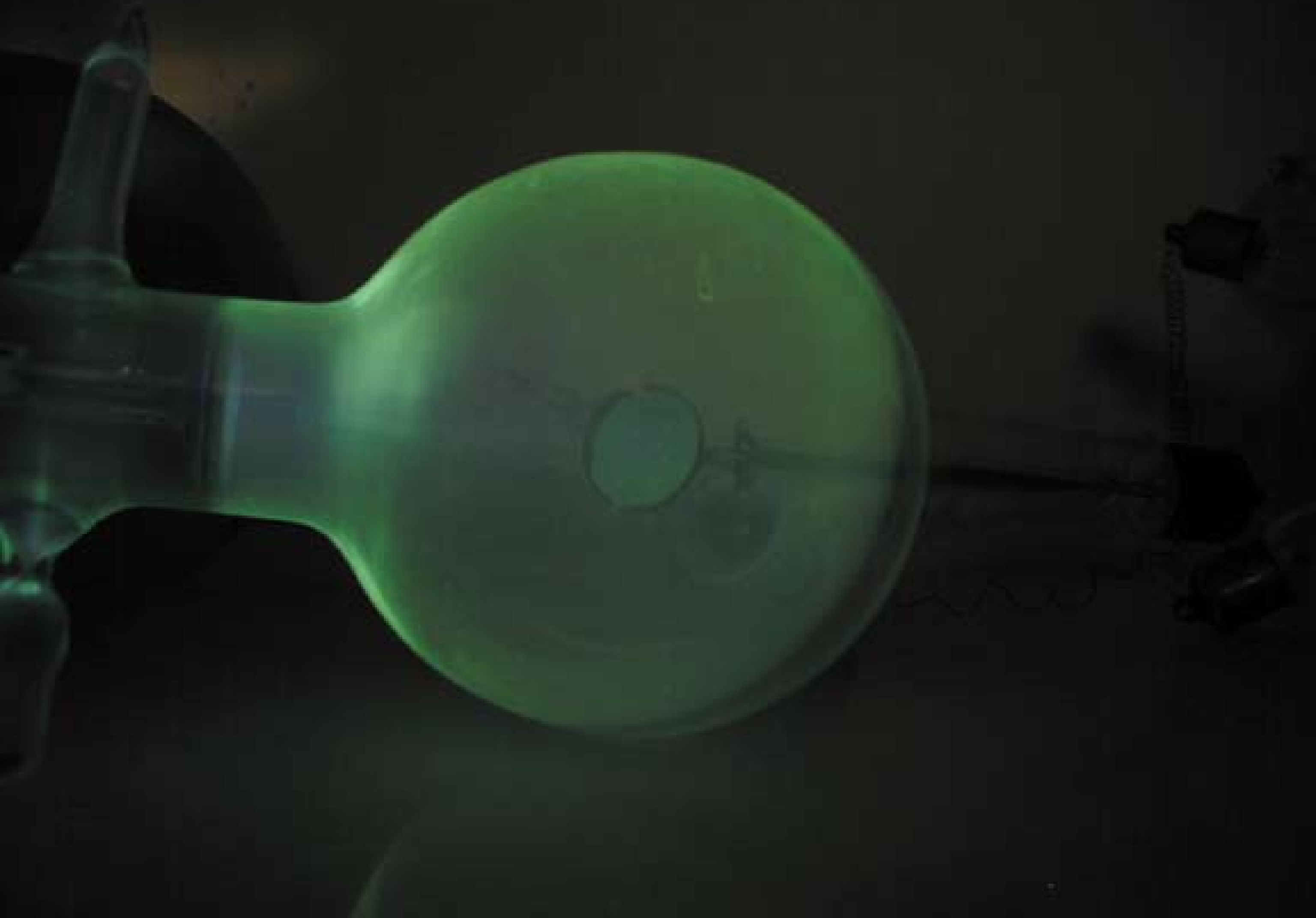

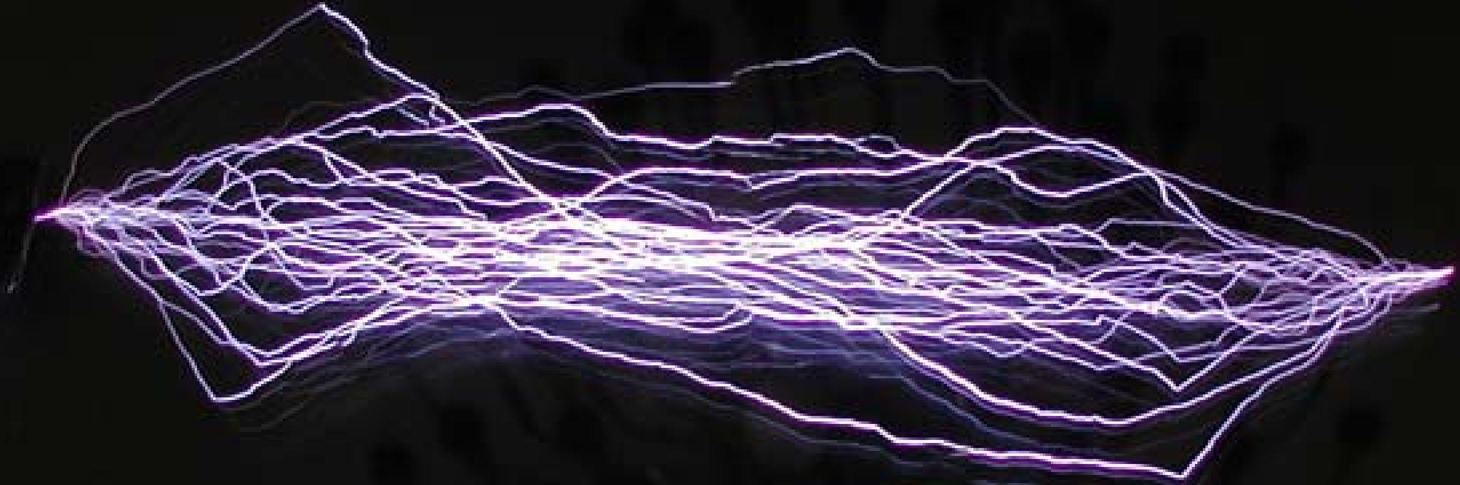

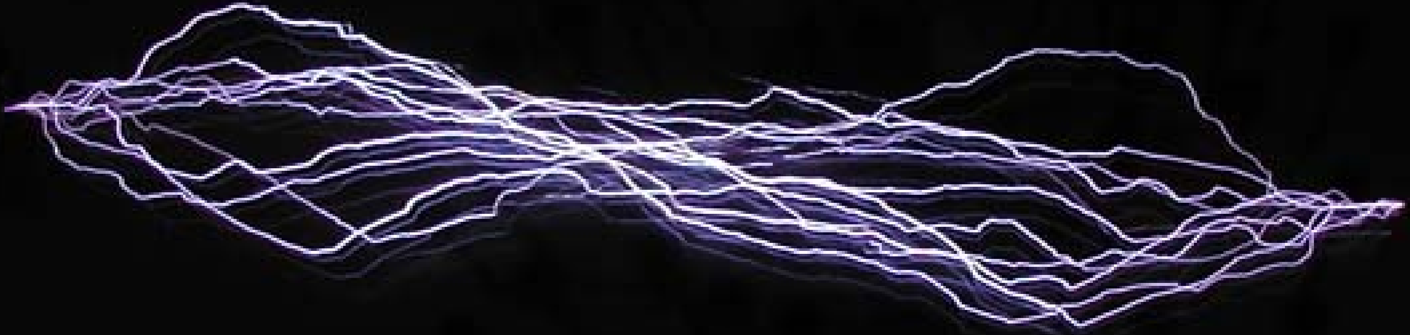

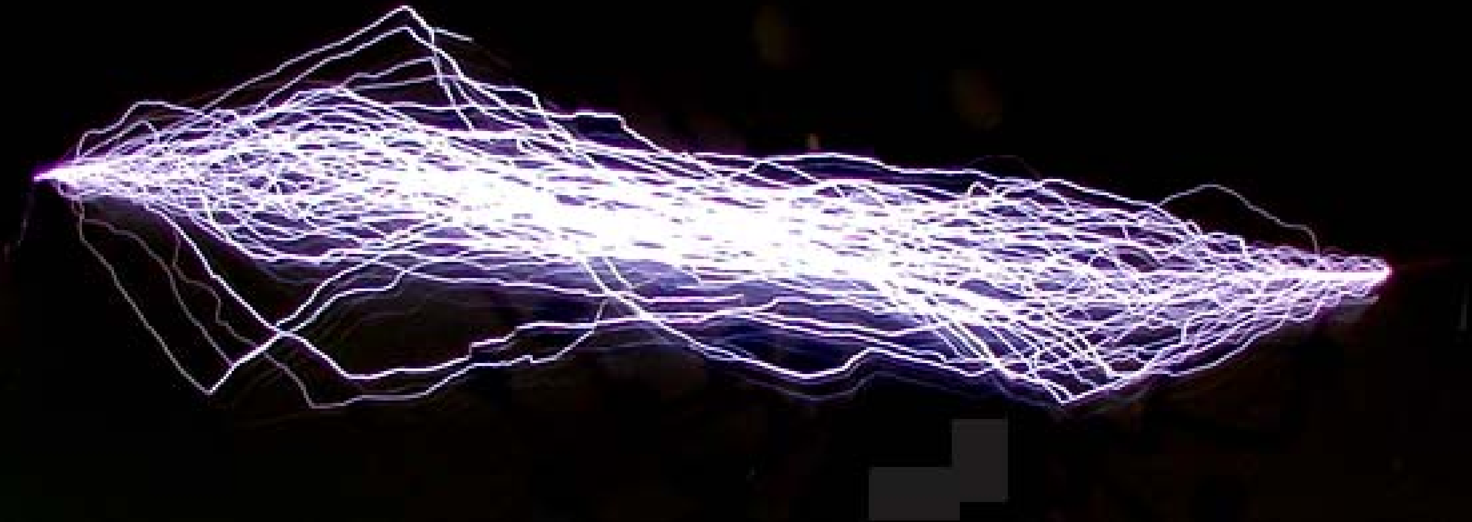

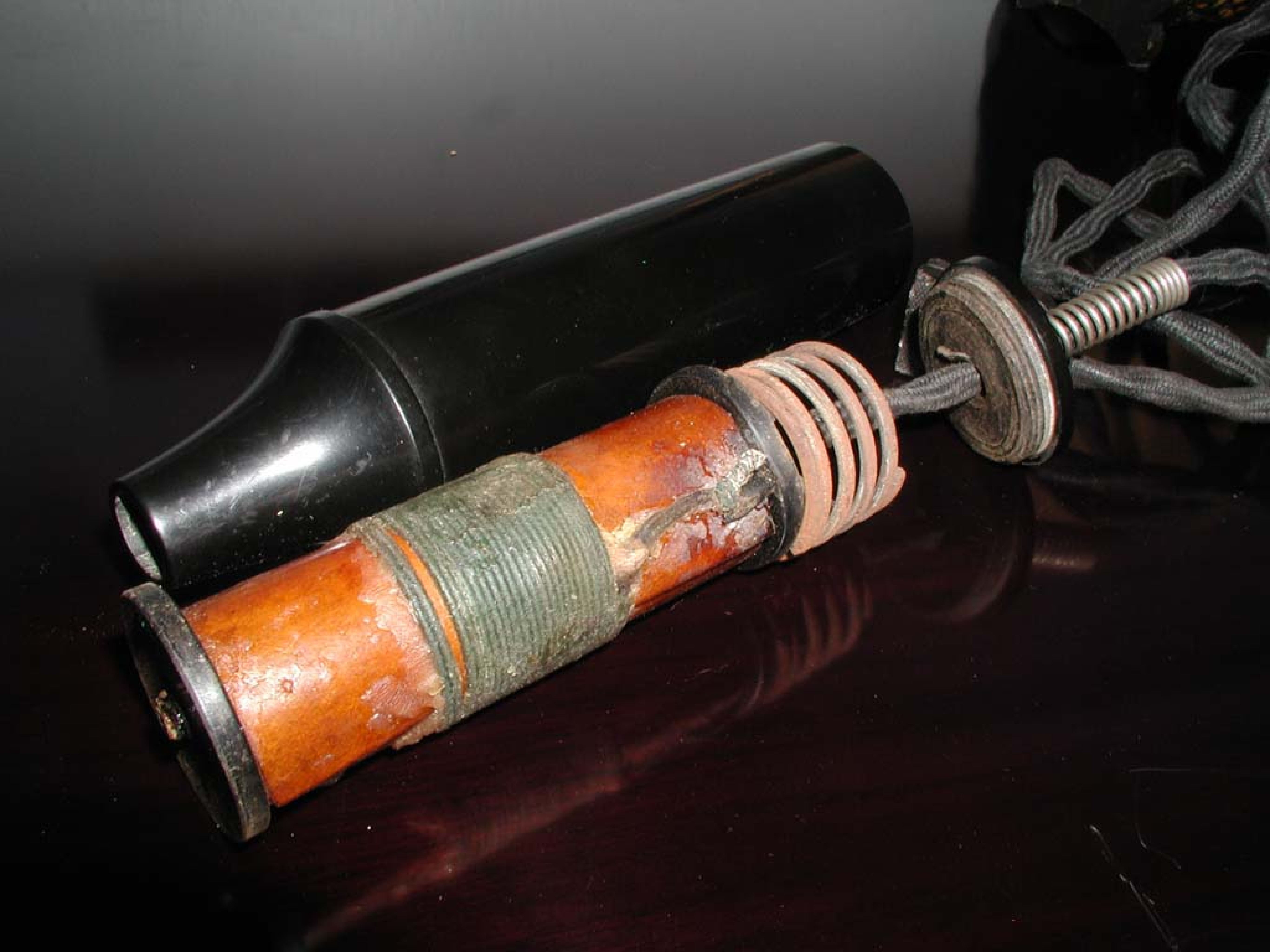

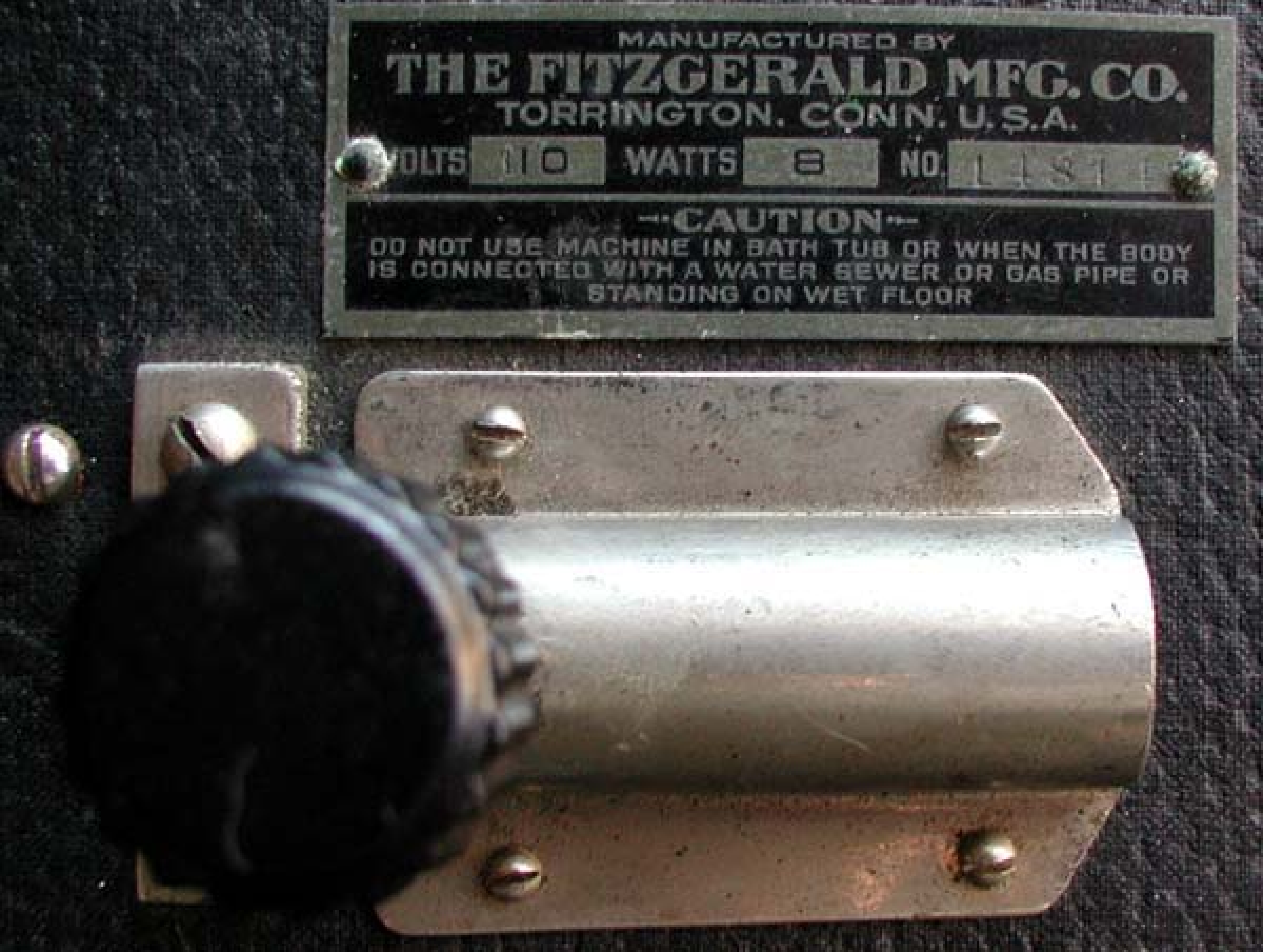

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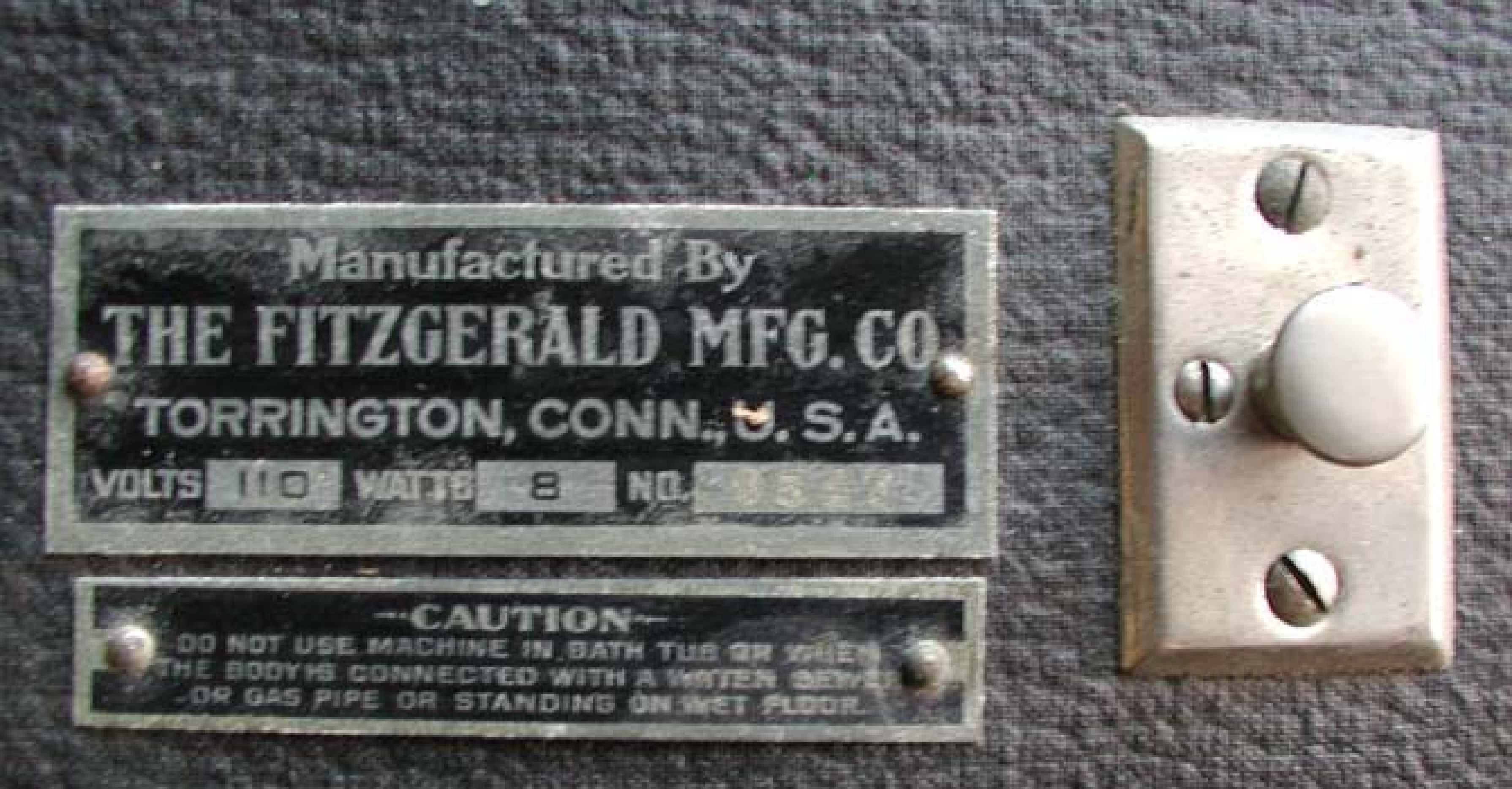

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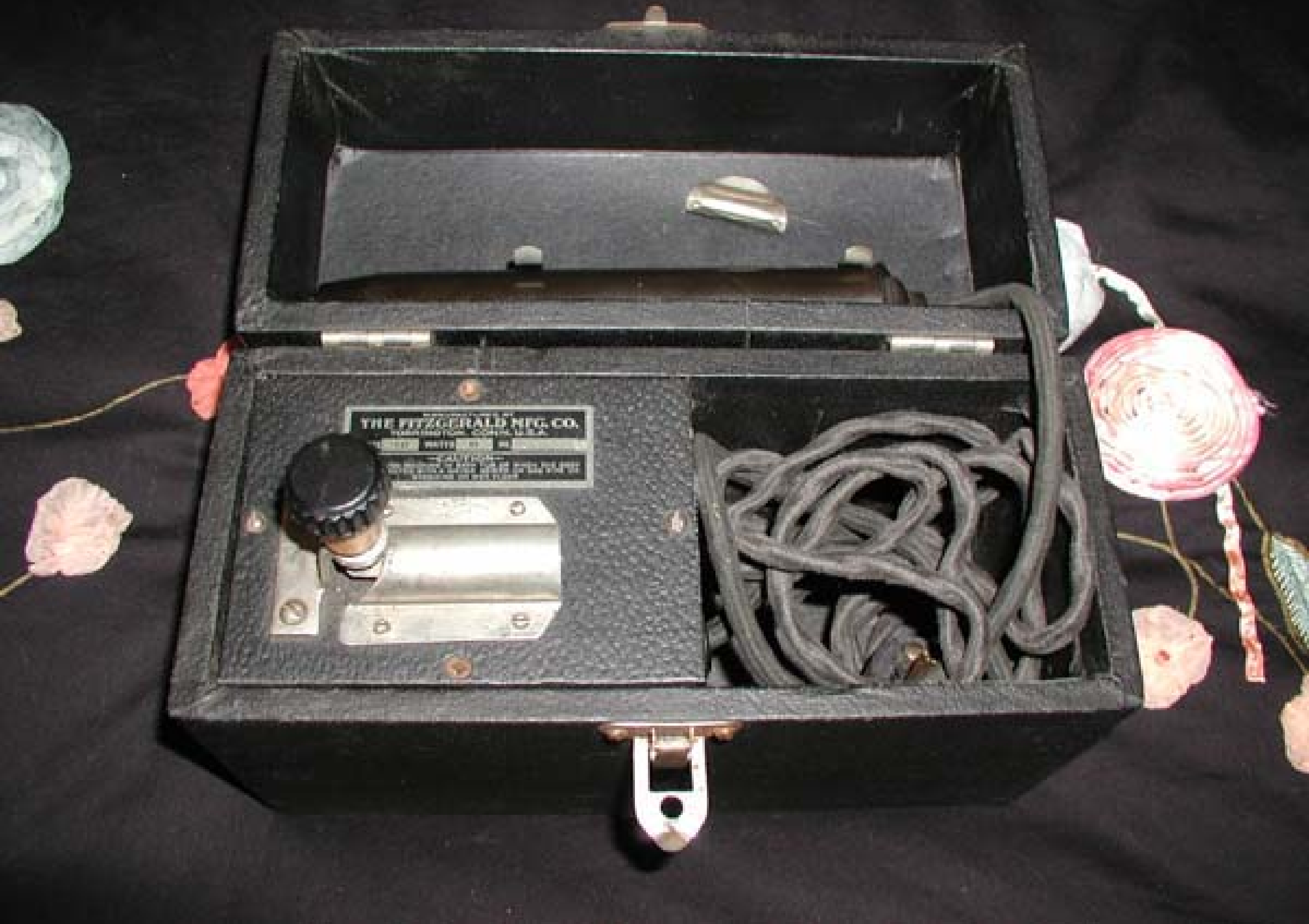
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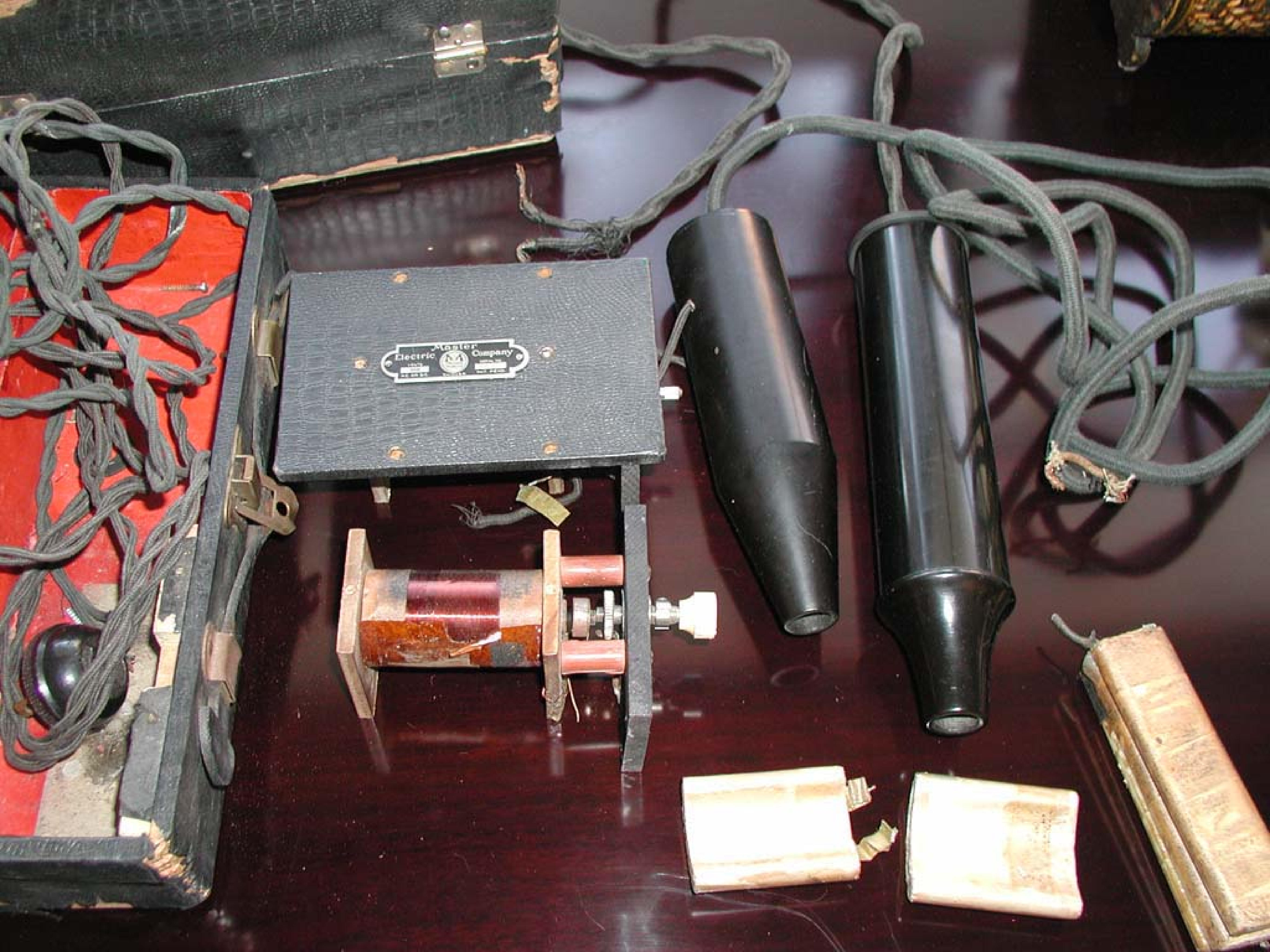
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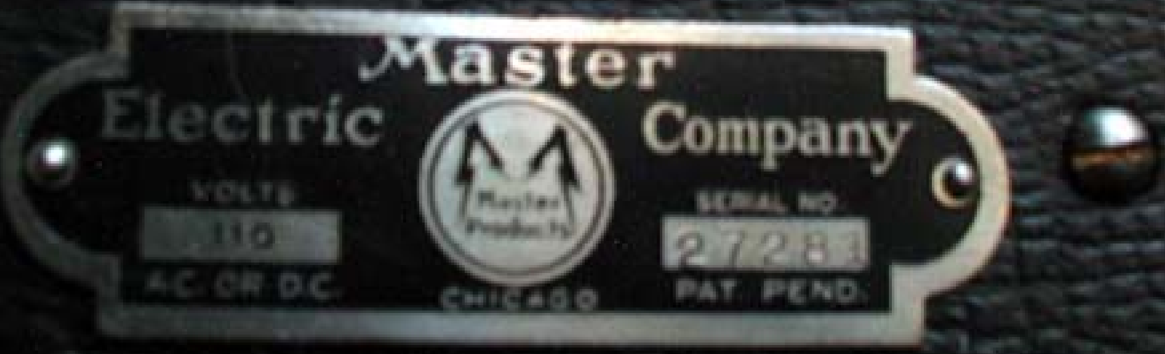
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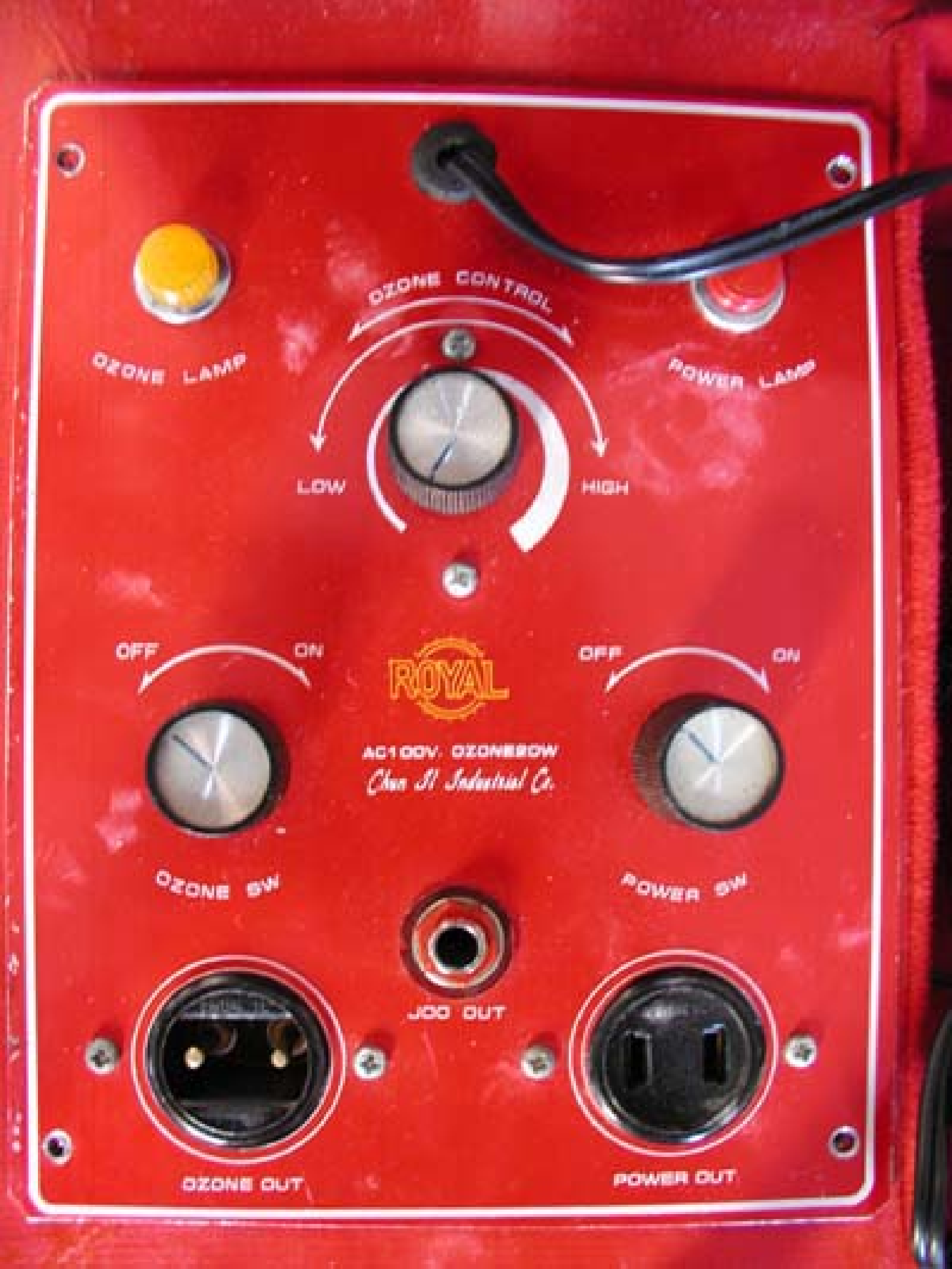
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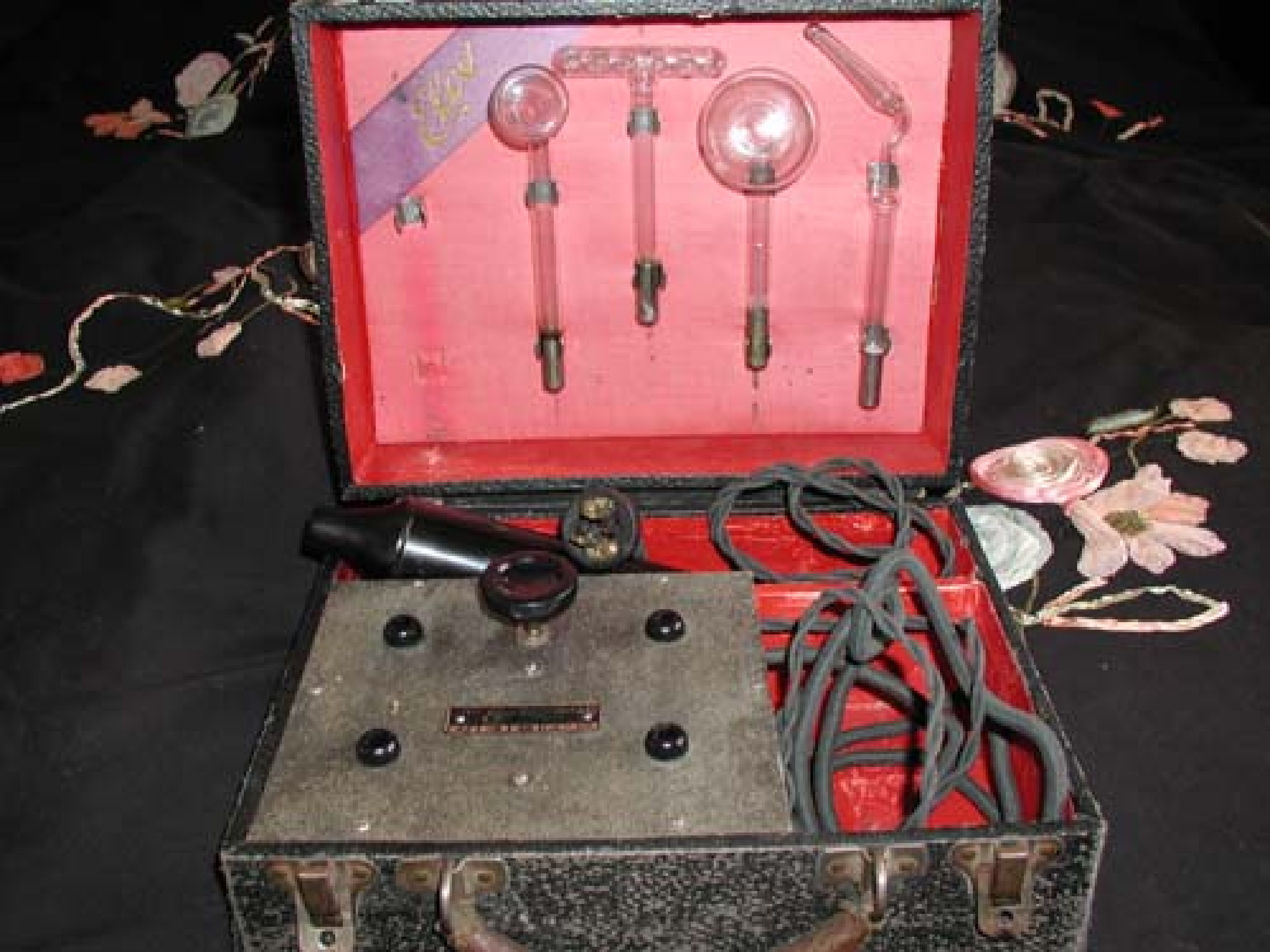

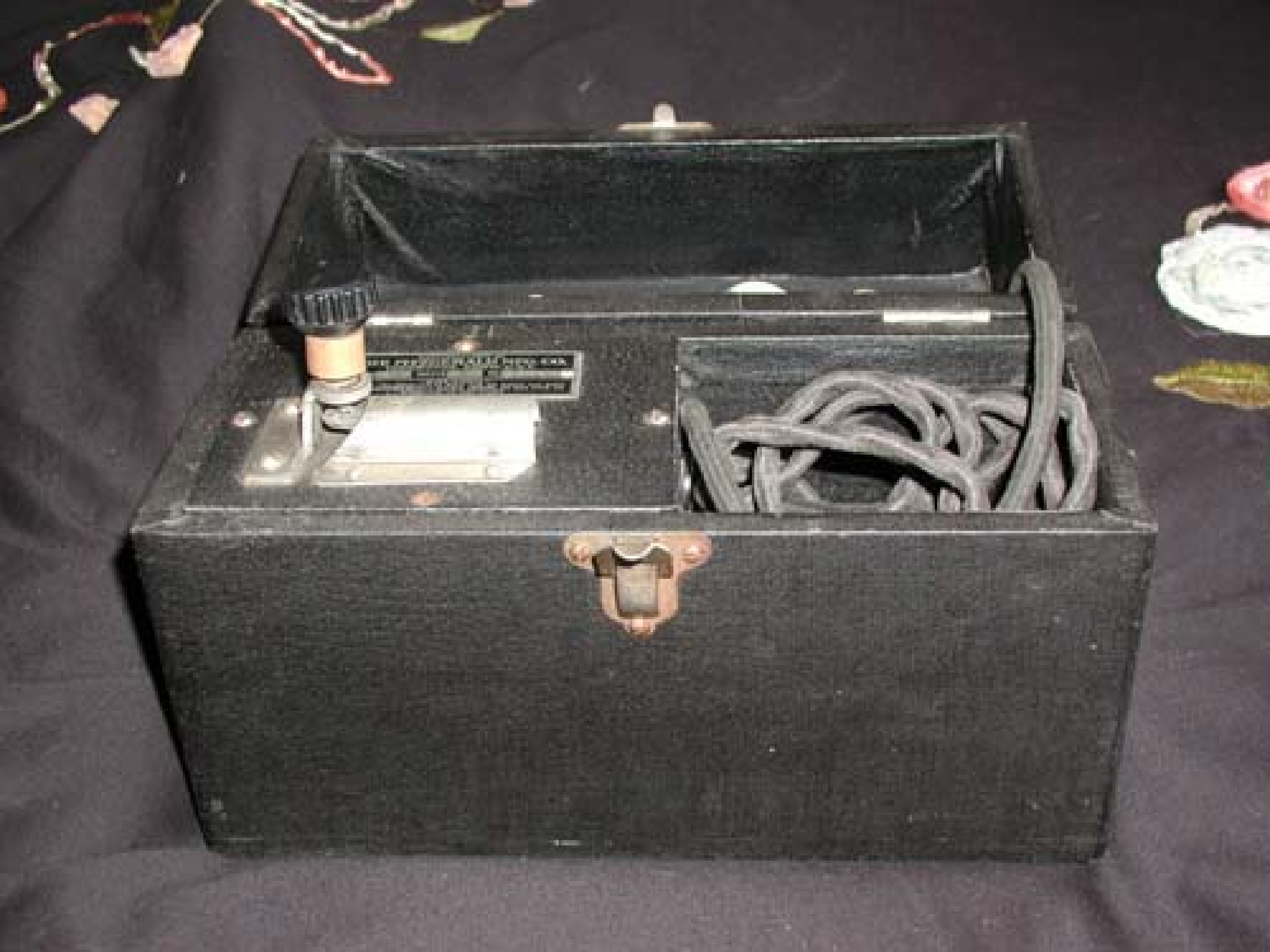

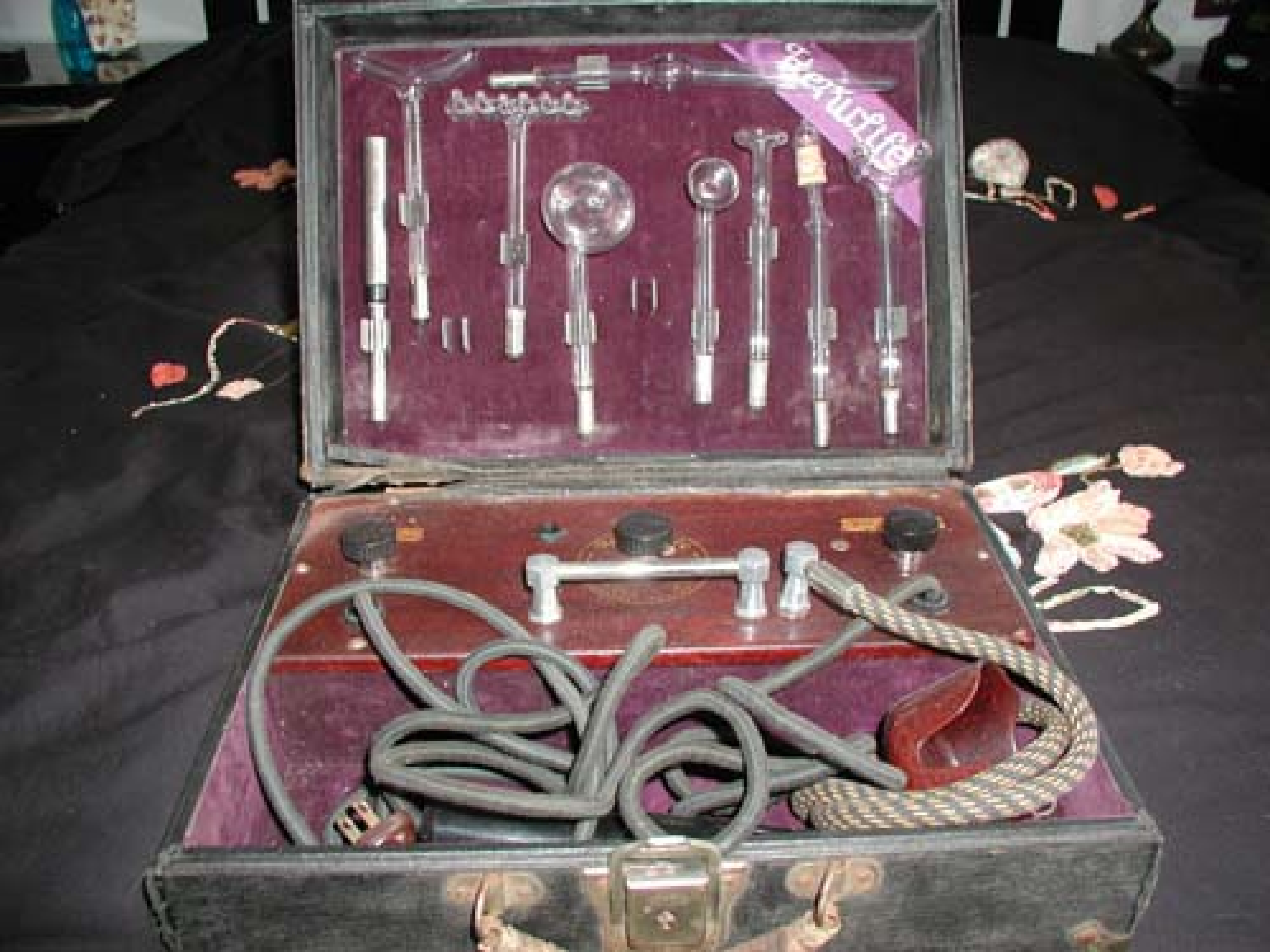
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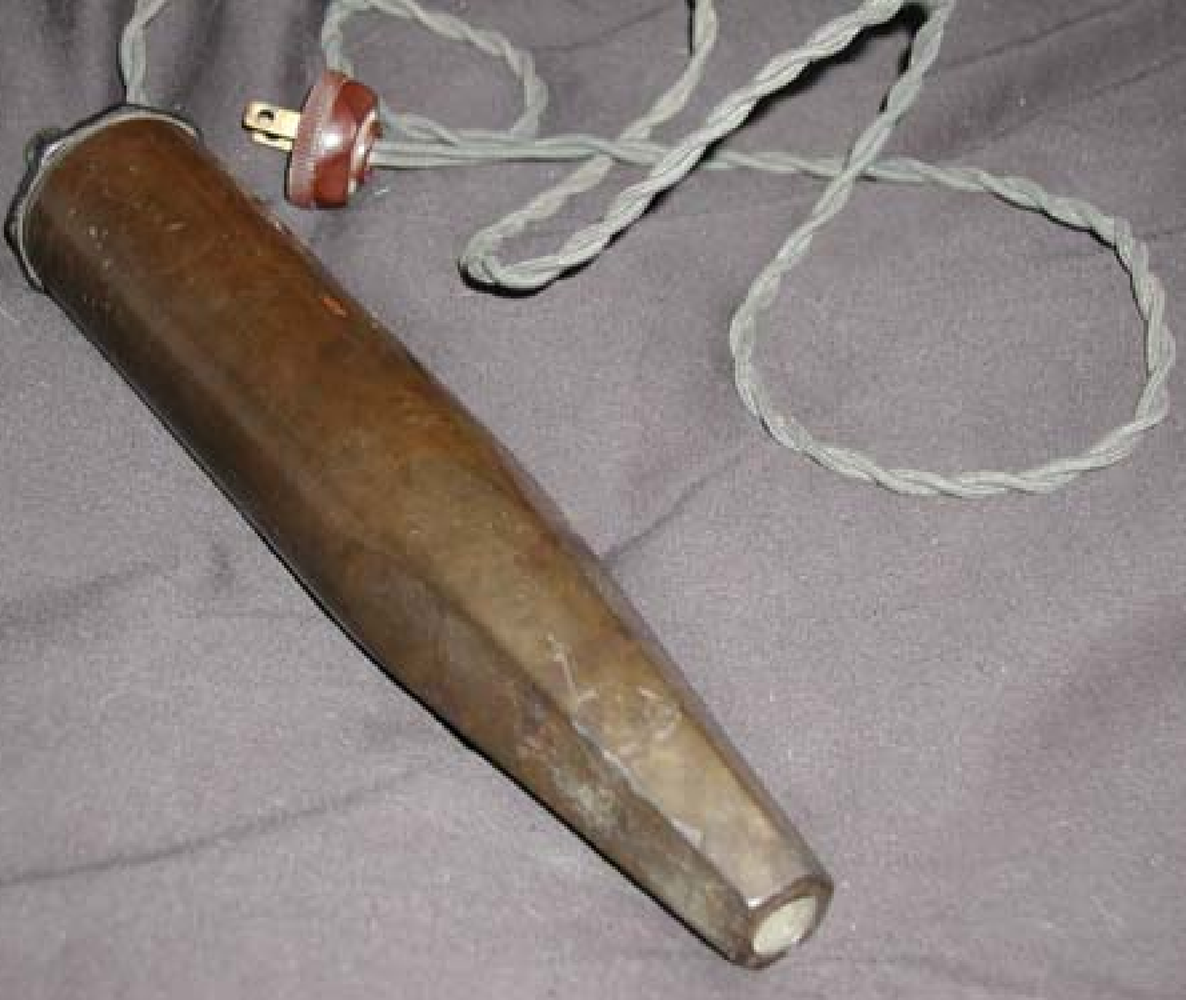

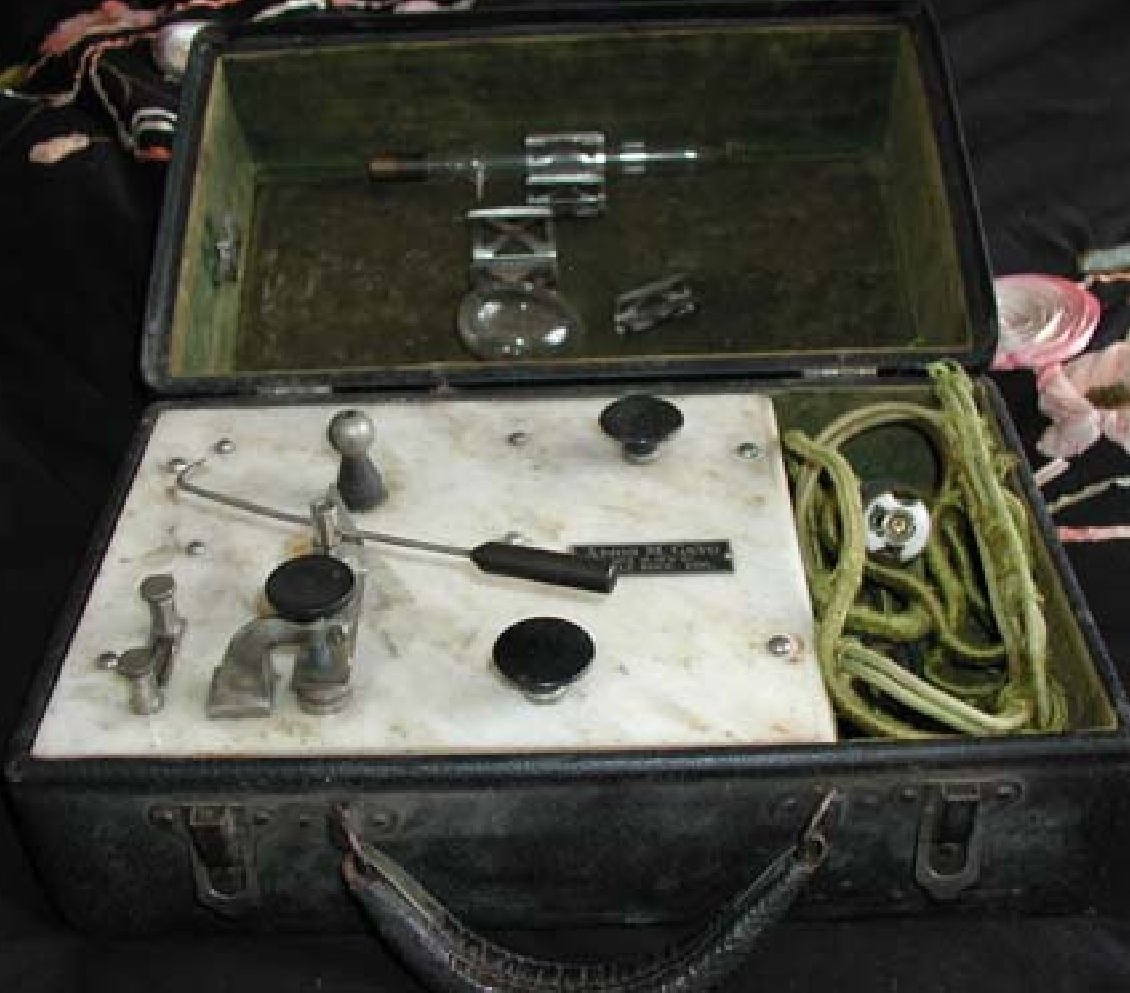

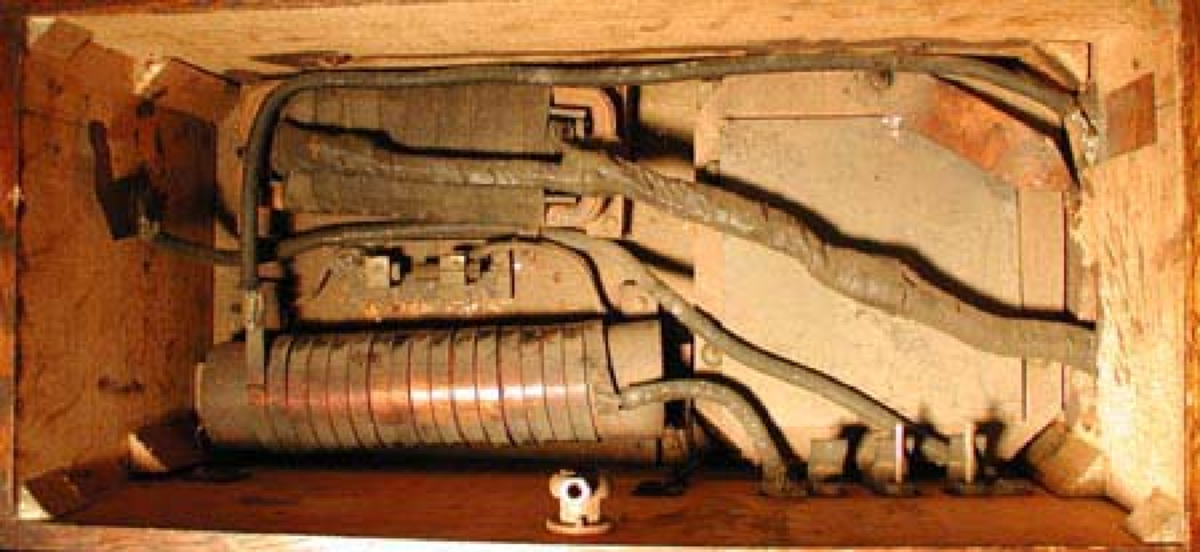

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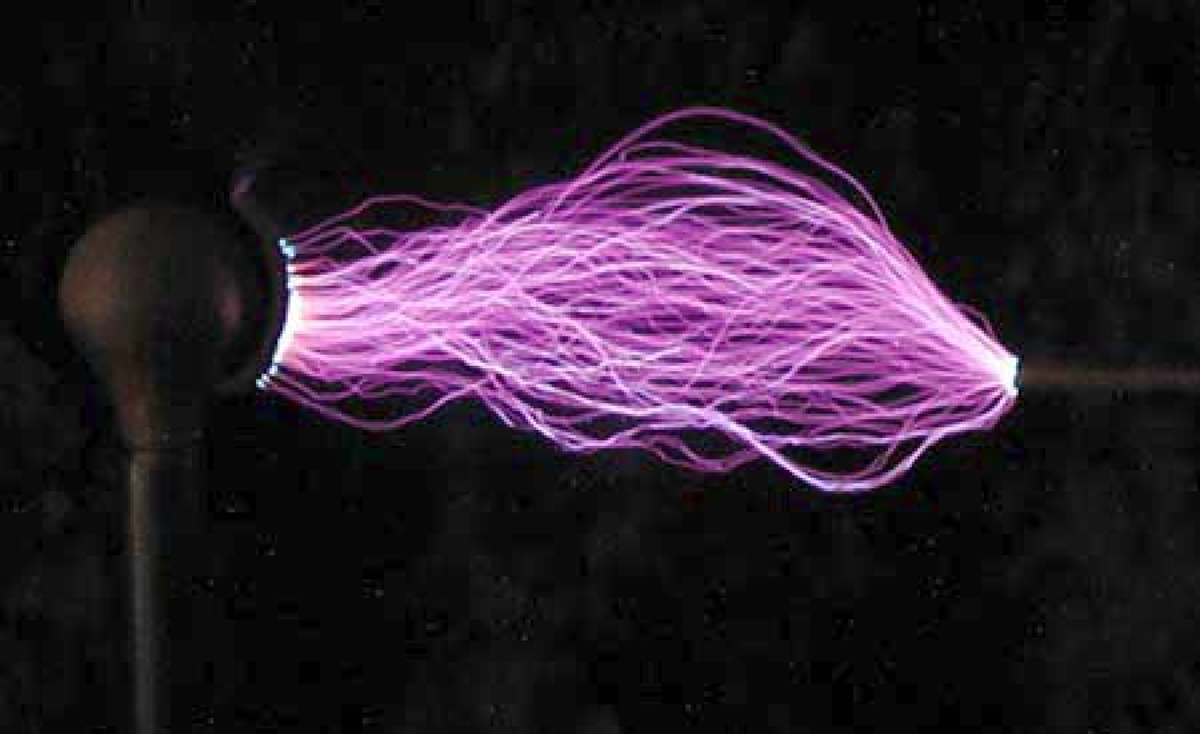

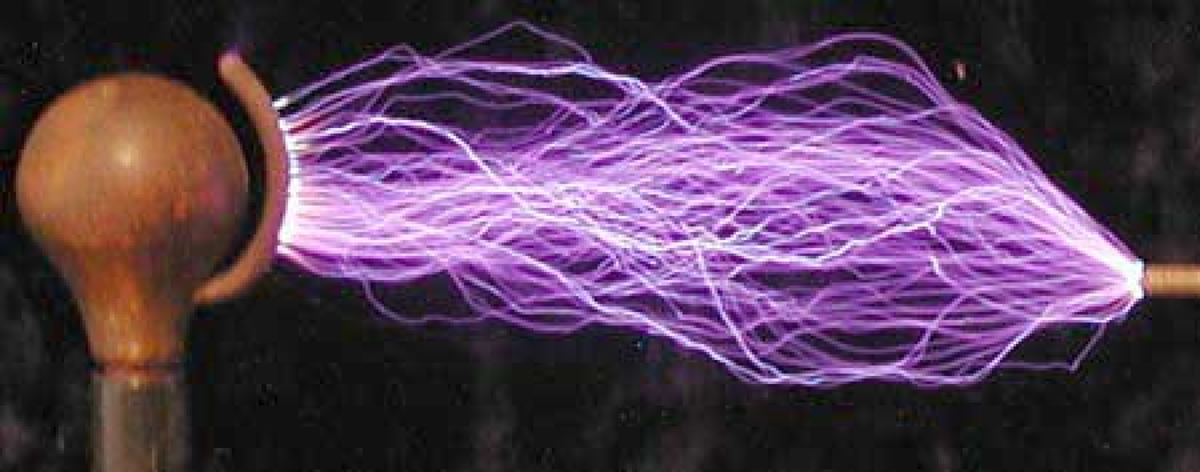

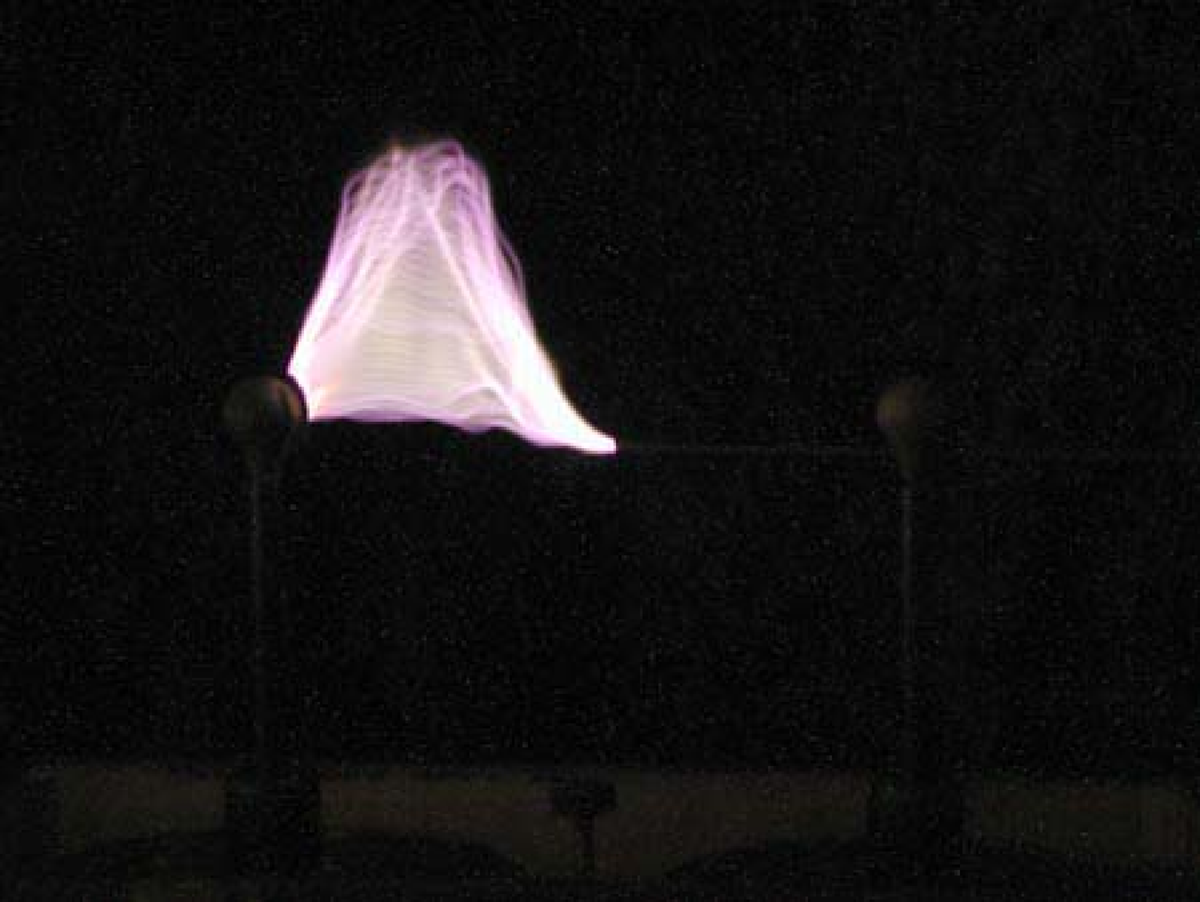

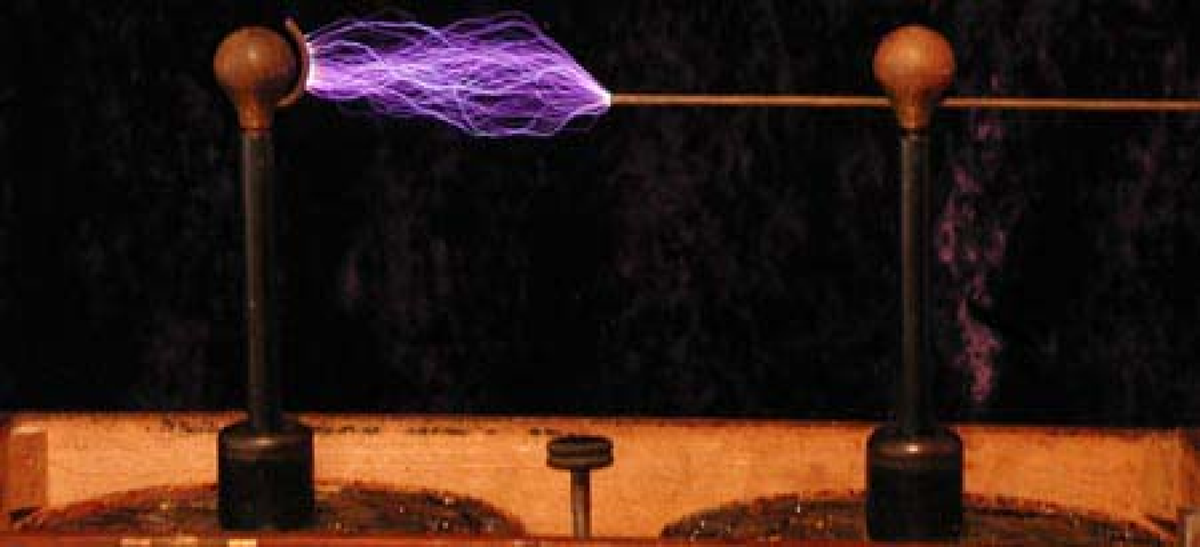

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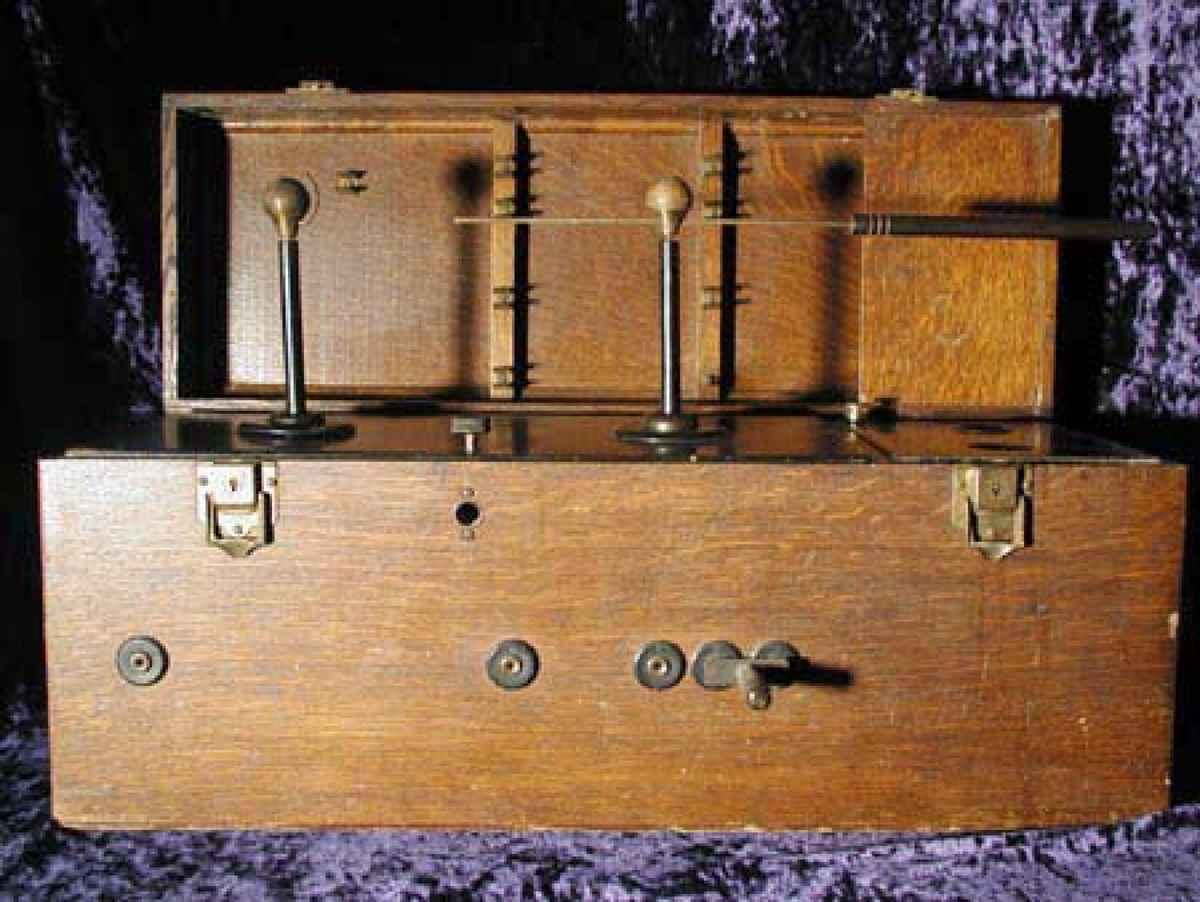
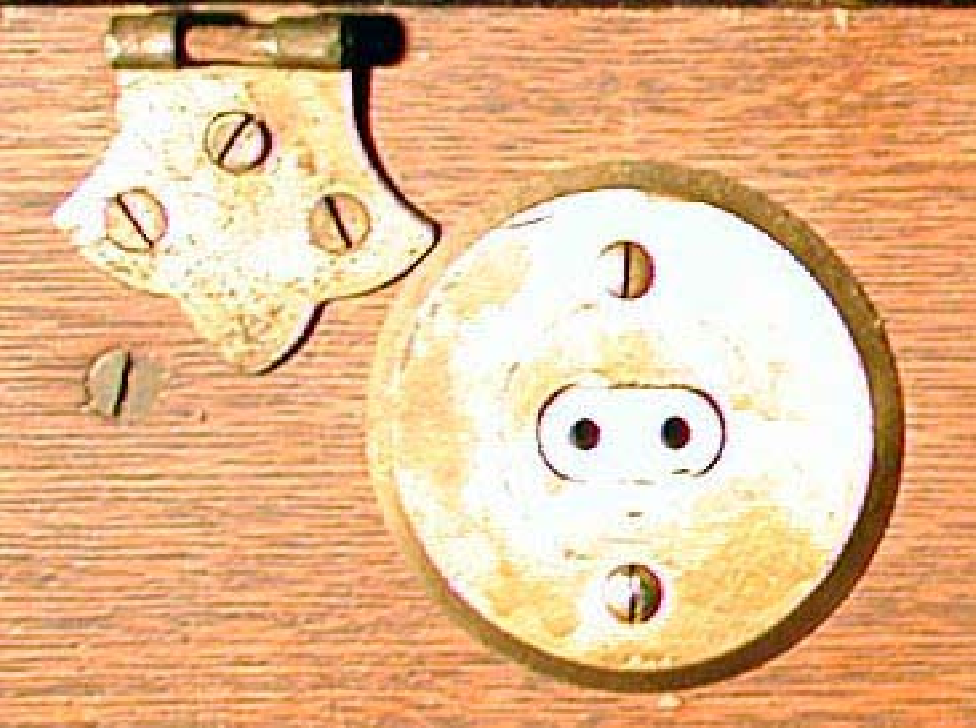
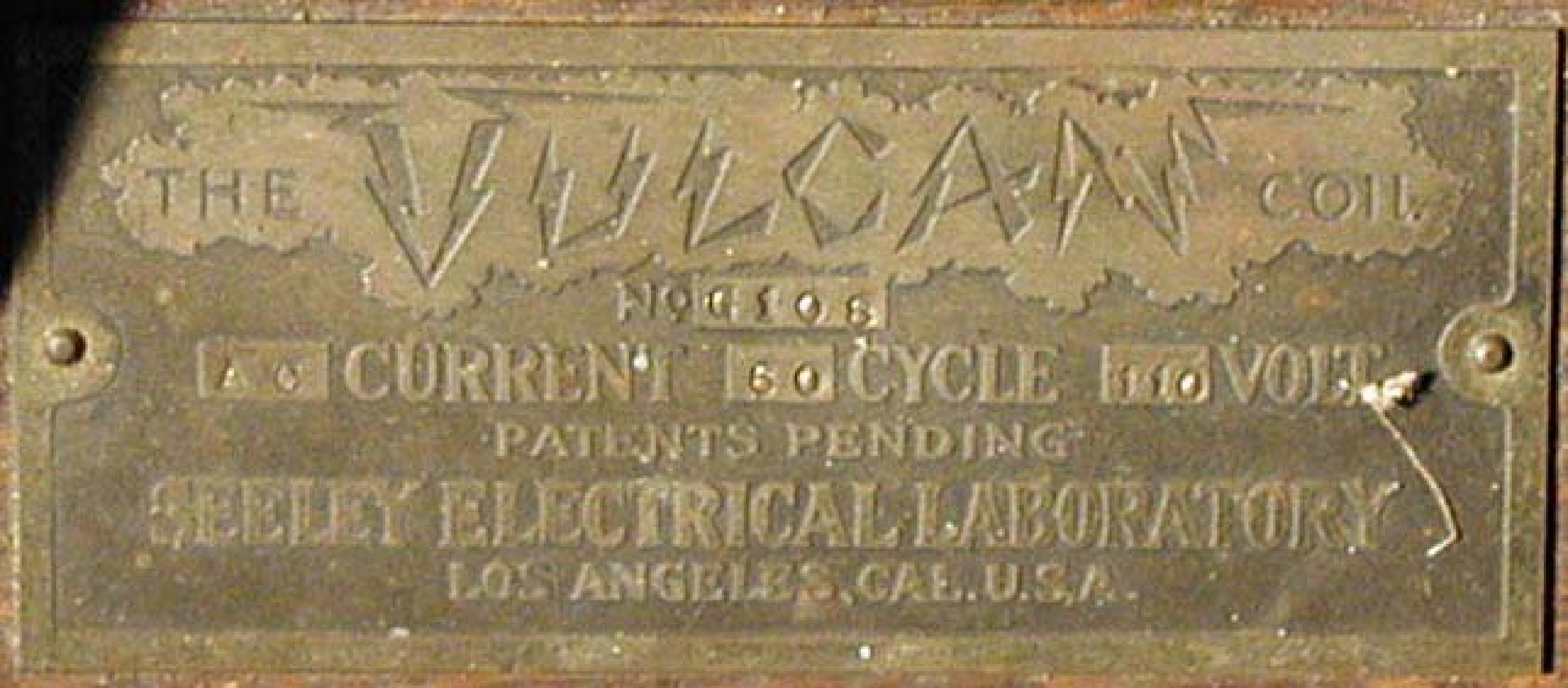






THE VULCAN COIL

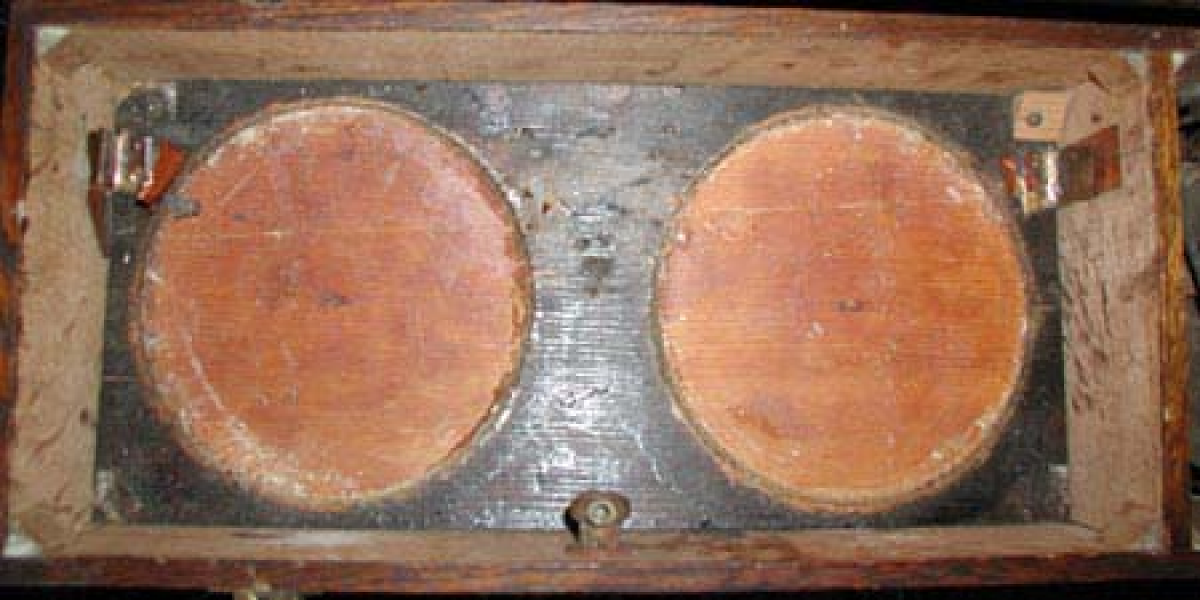
No 9108

A C CURRENT 60 CYCLE 110 VOLT

PATENTS PENDING

SEELEY ELECTRICAL LABORATORY

LOS ANGELES, CAL. U.S.A.



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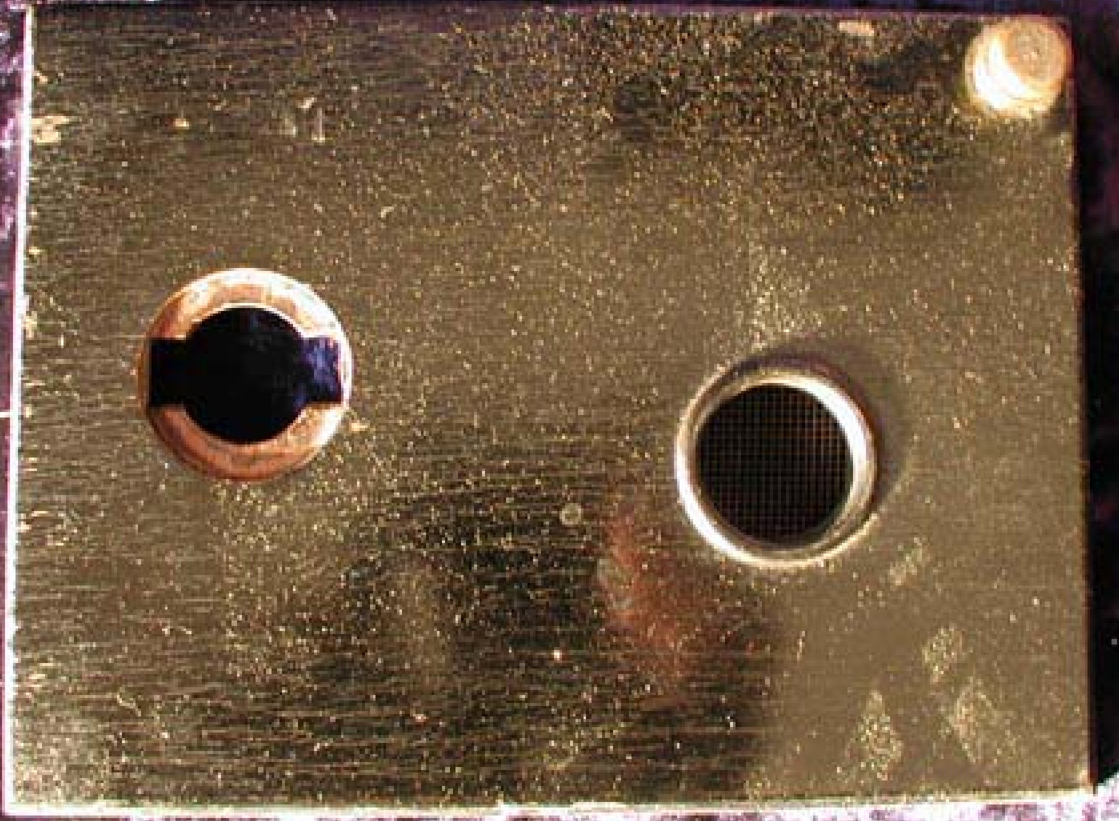

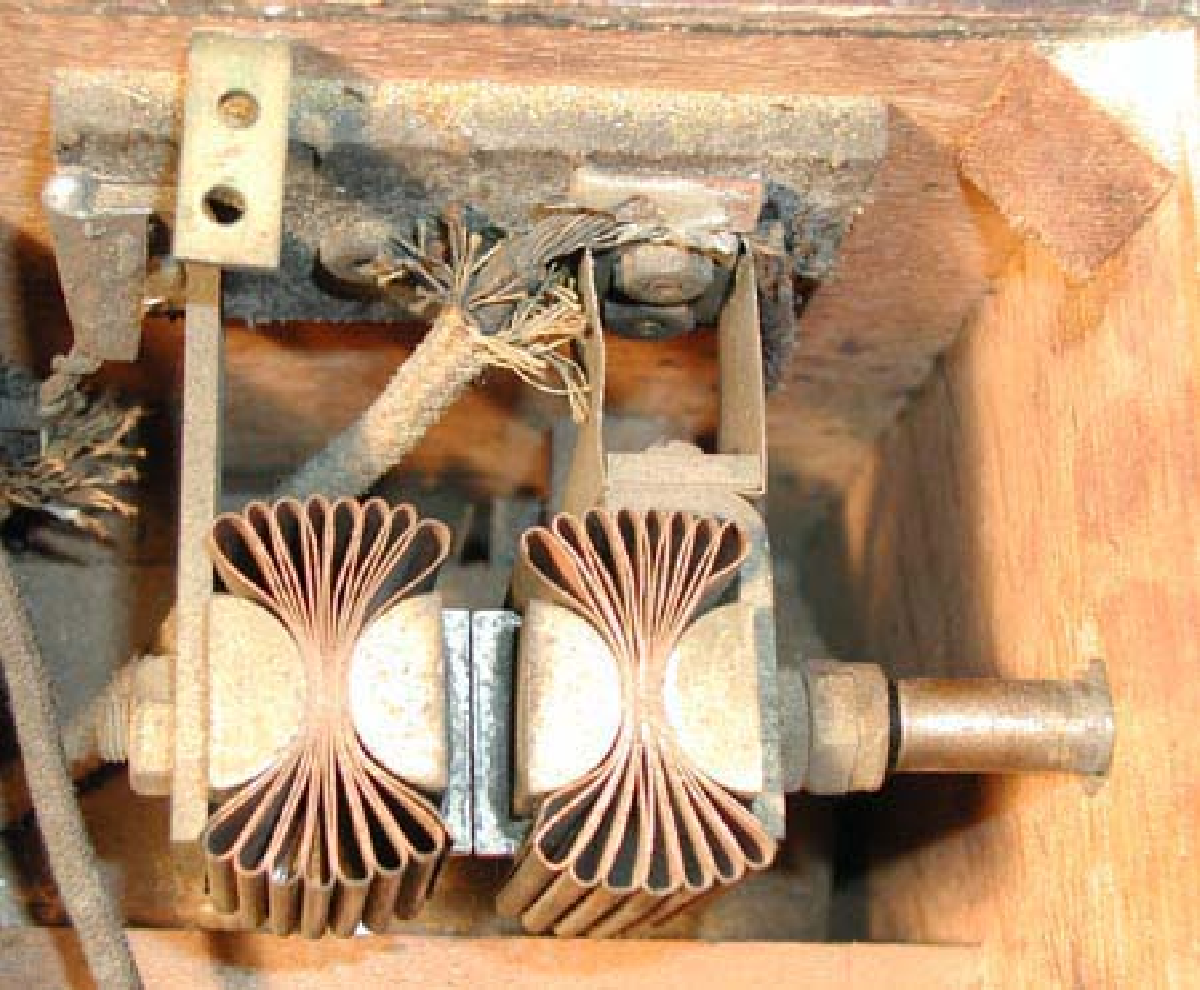

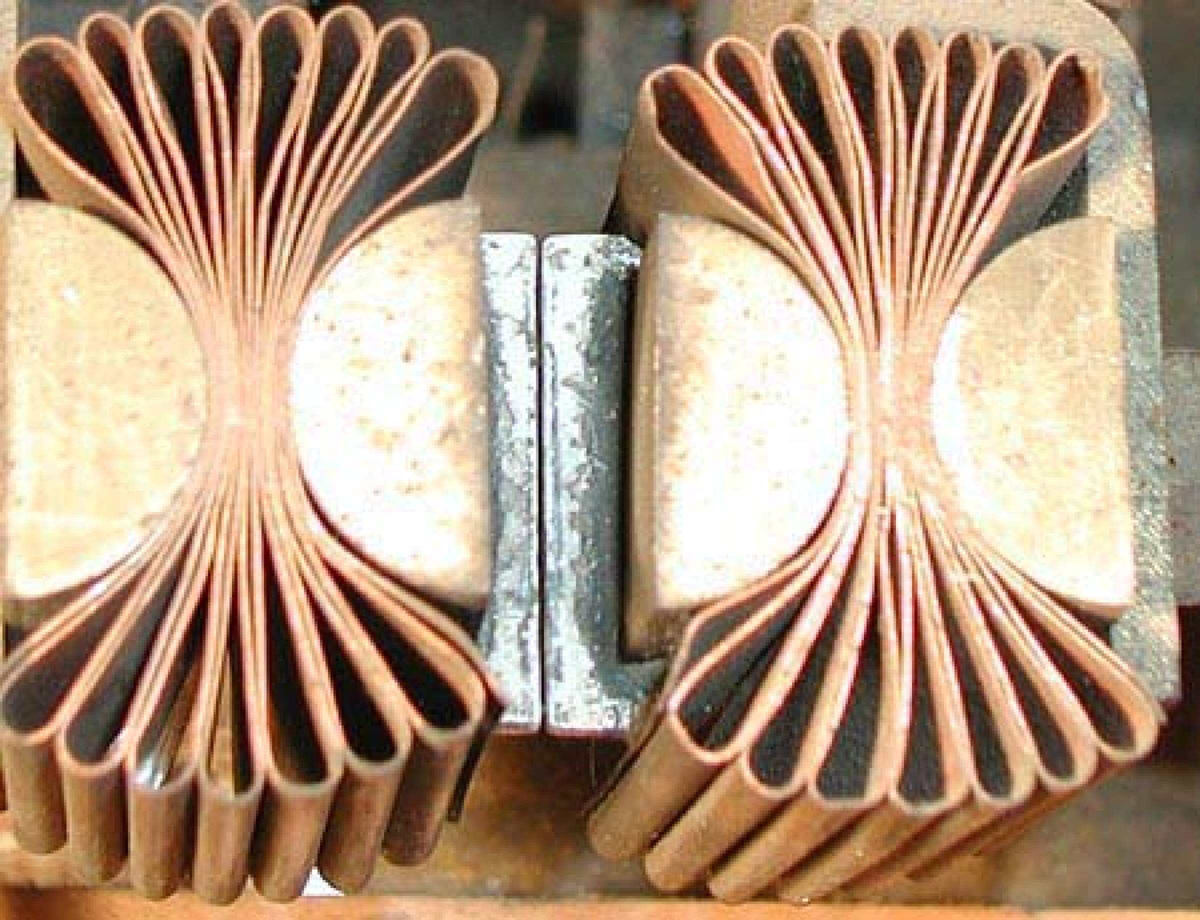

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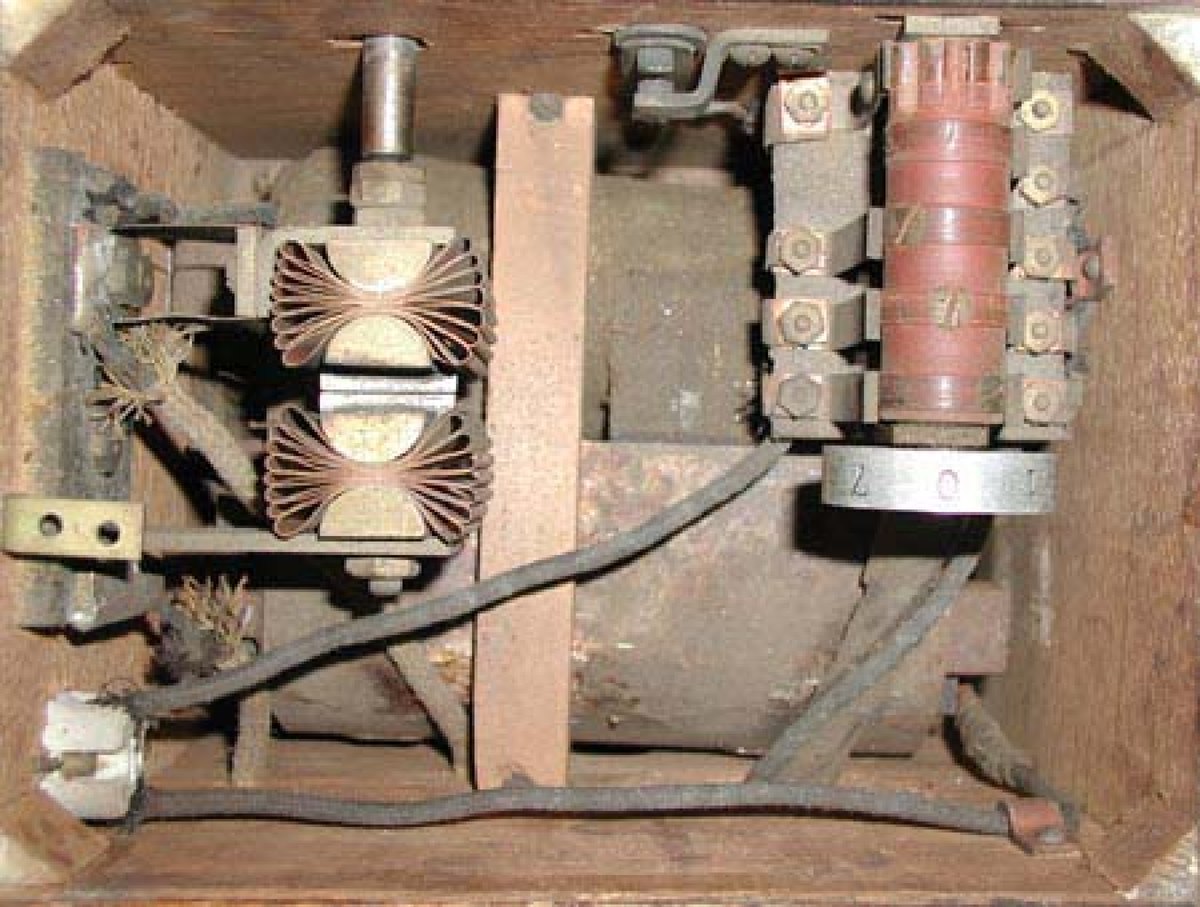

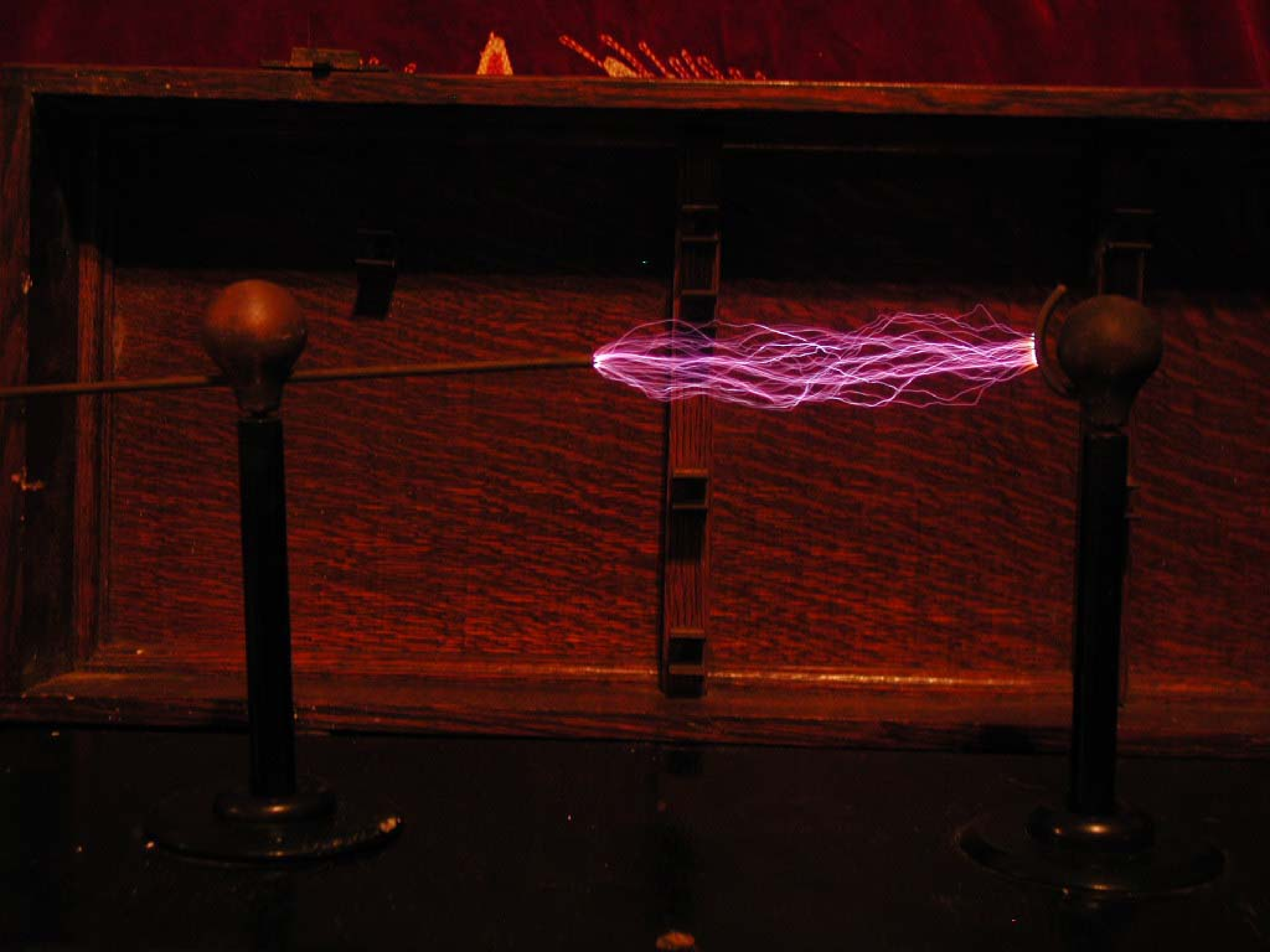

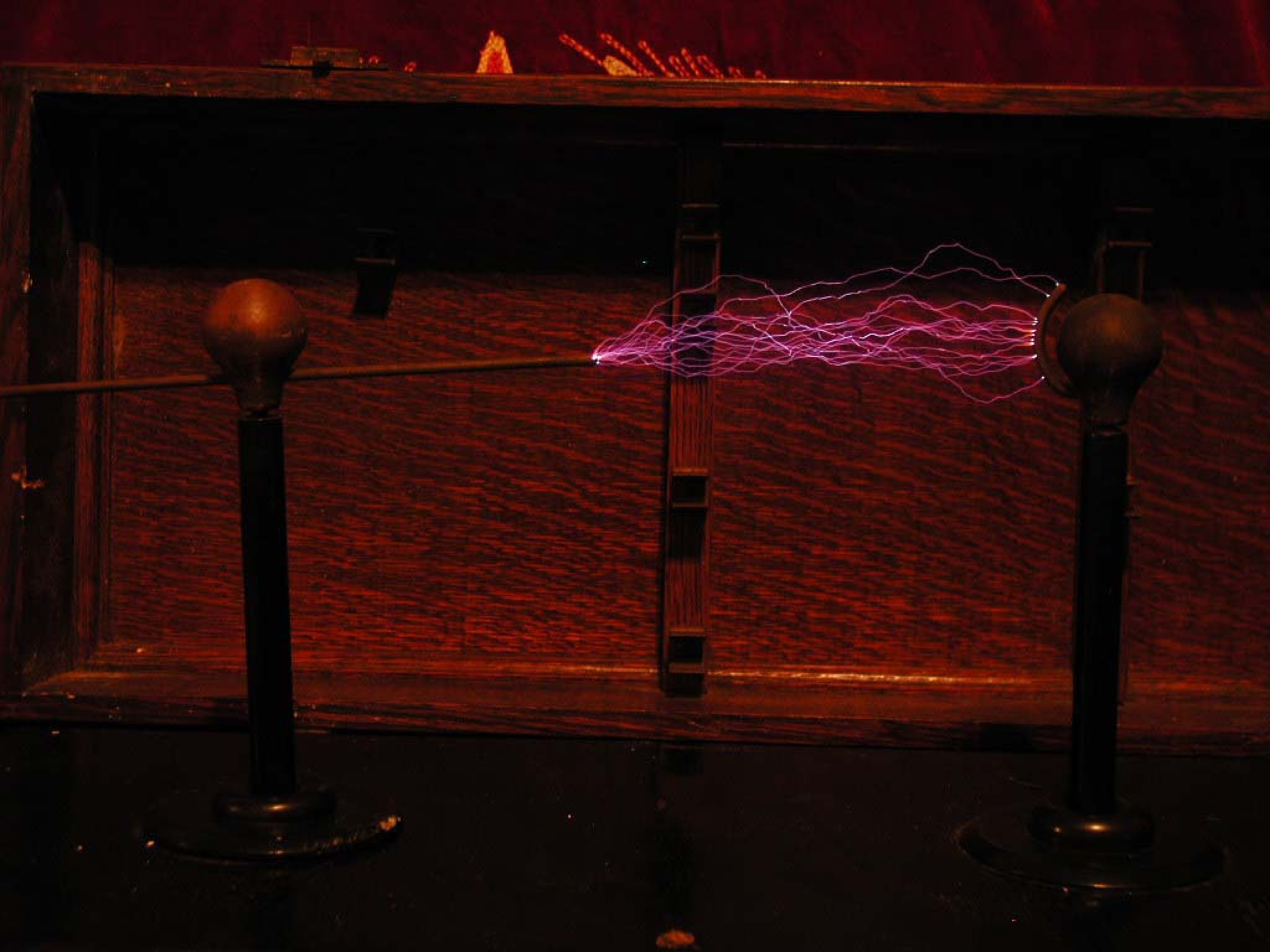

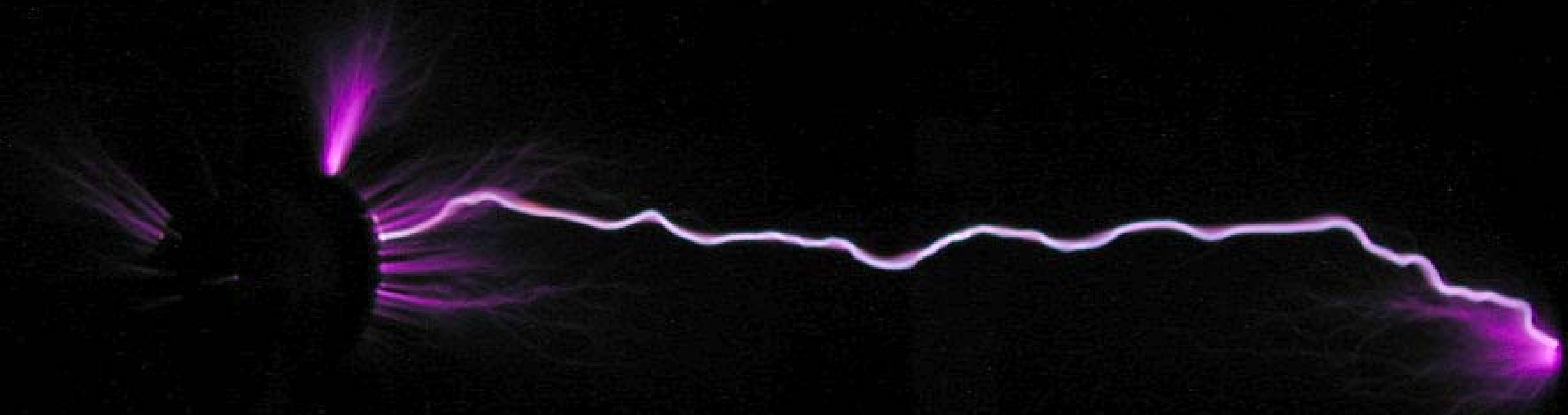

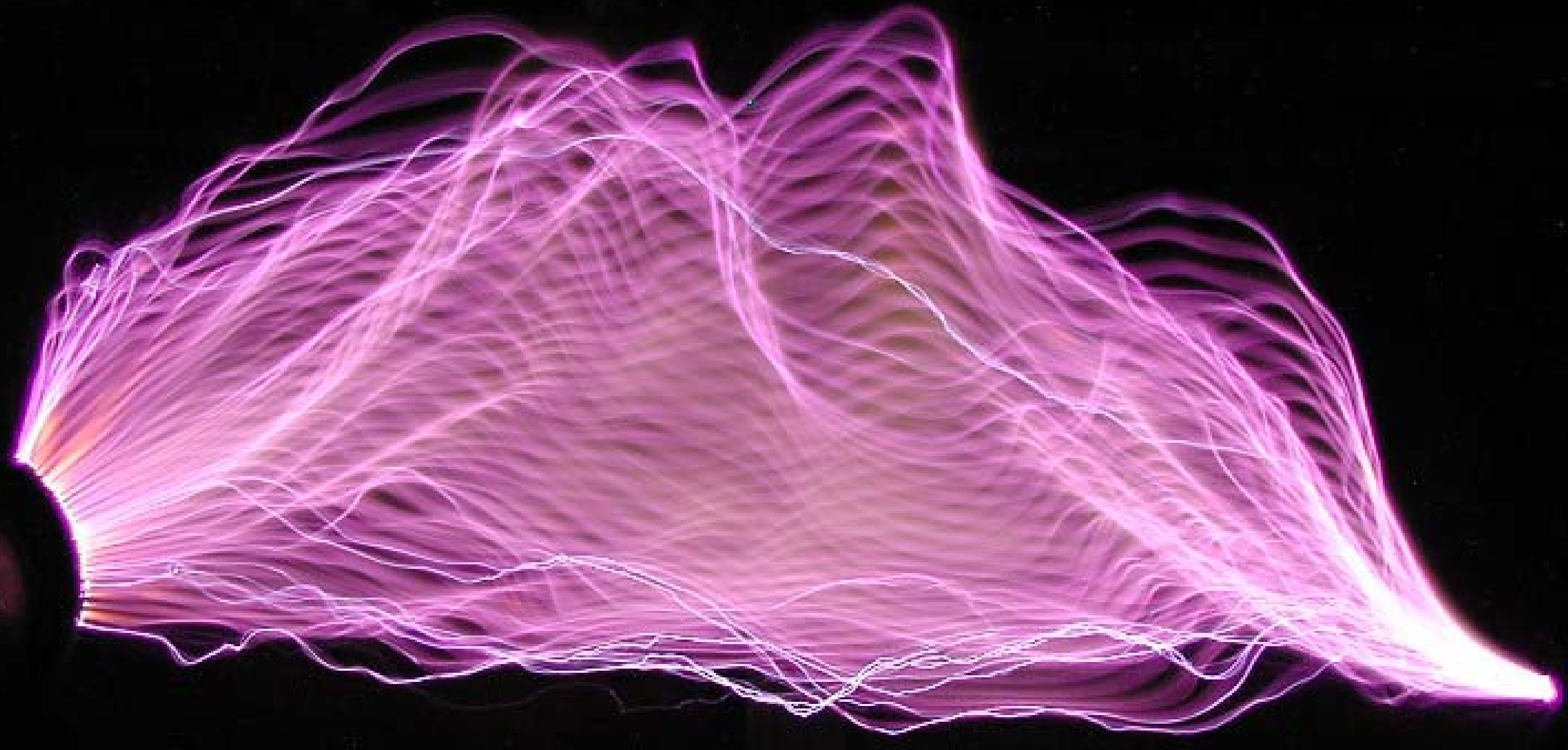

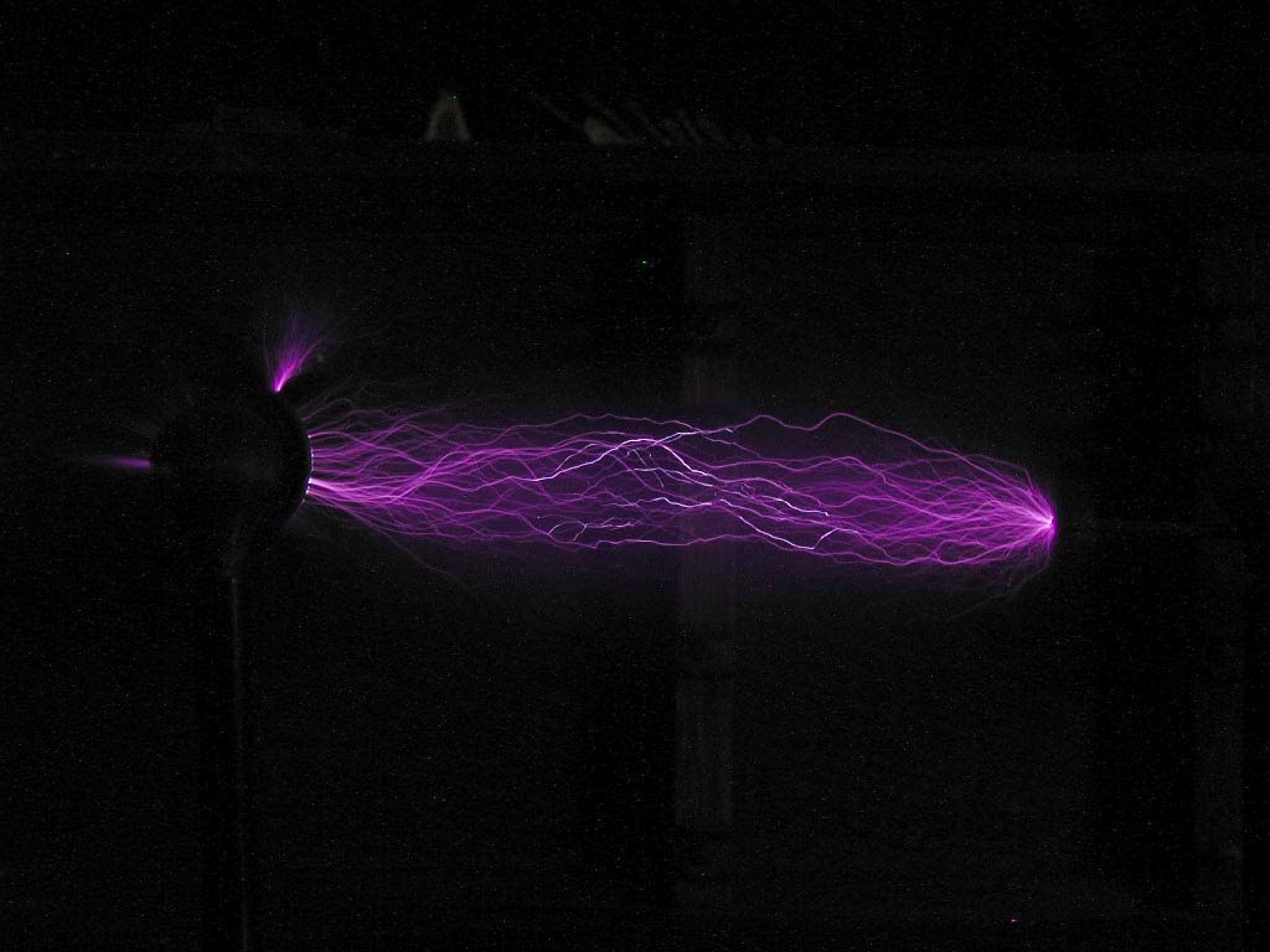

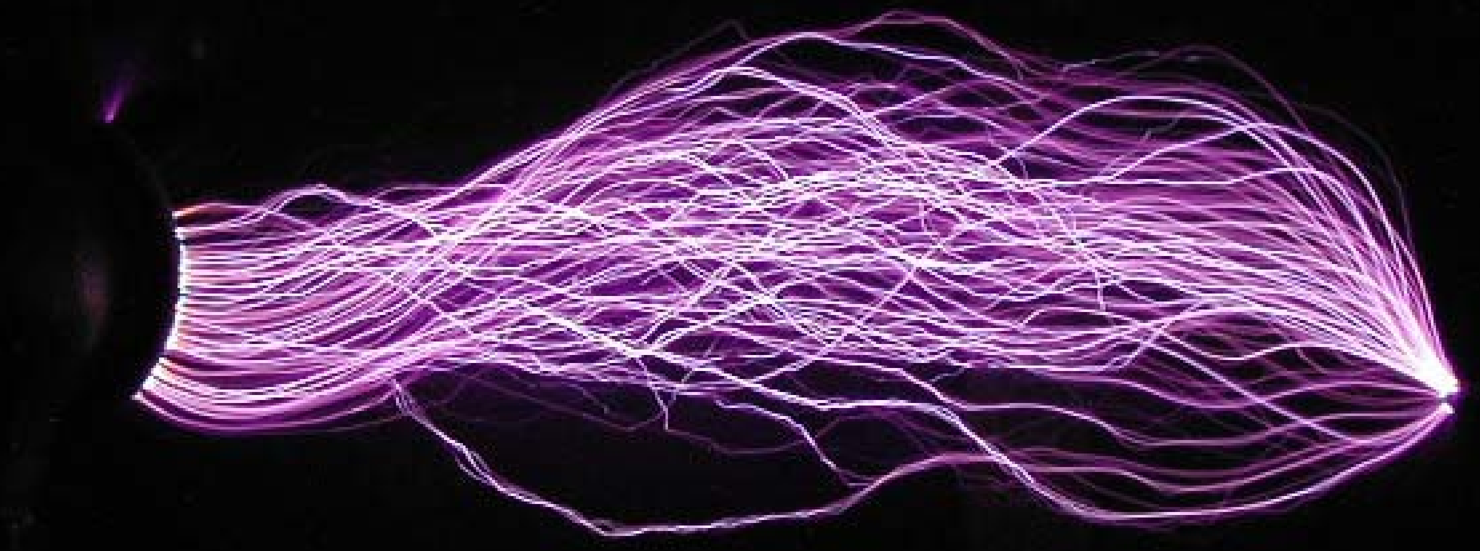

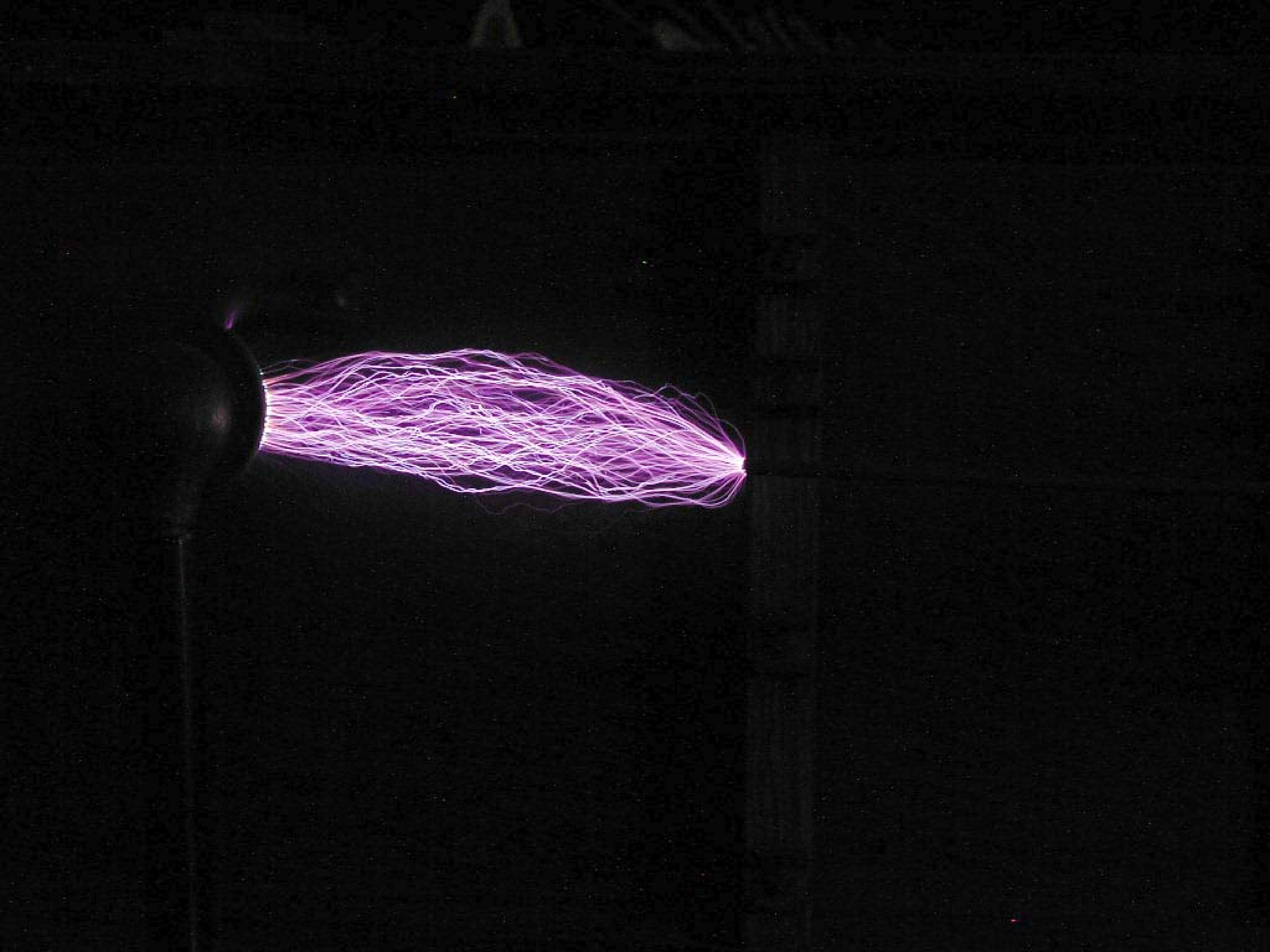

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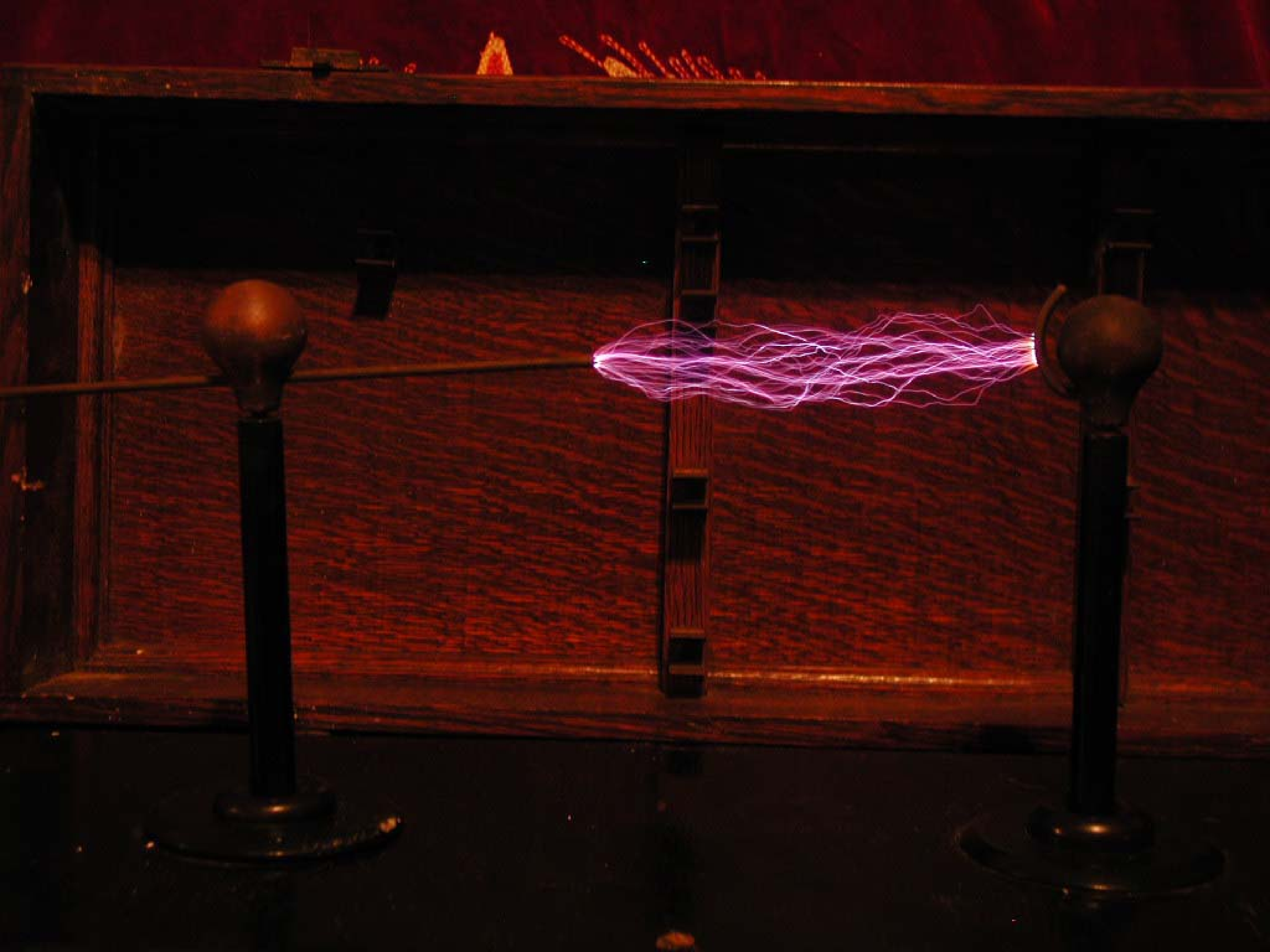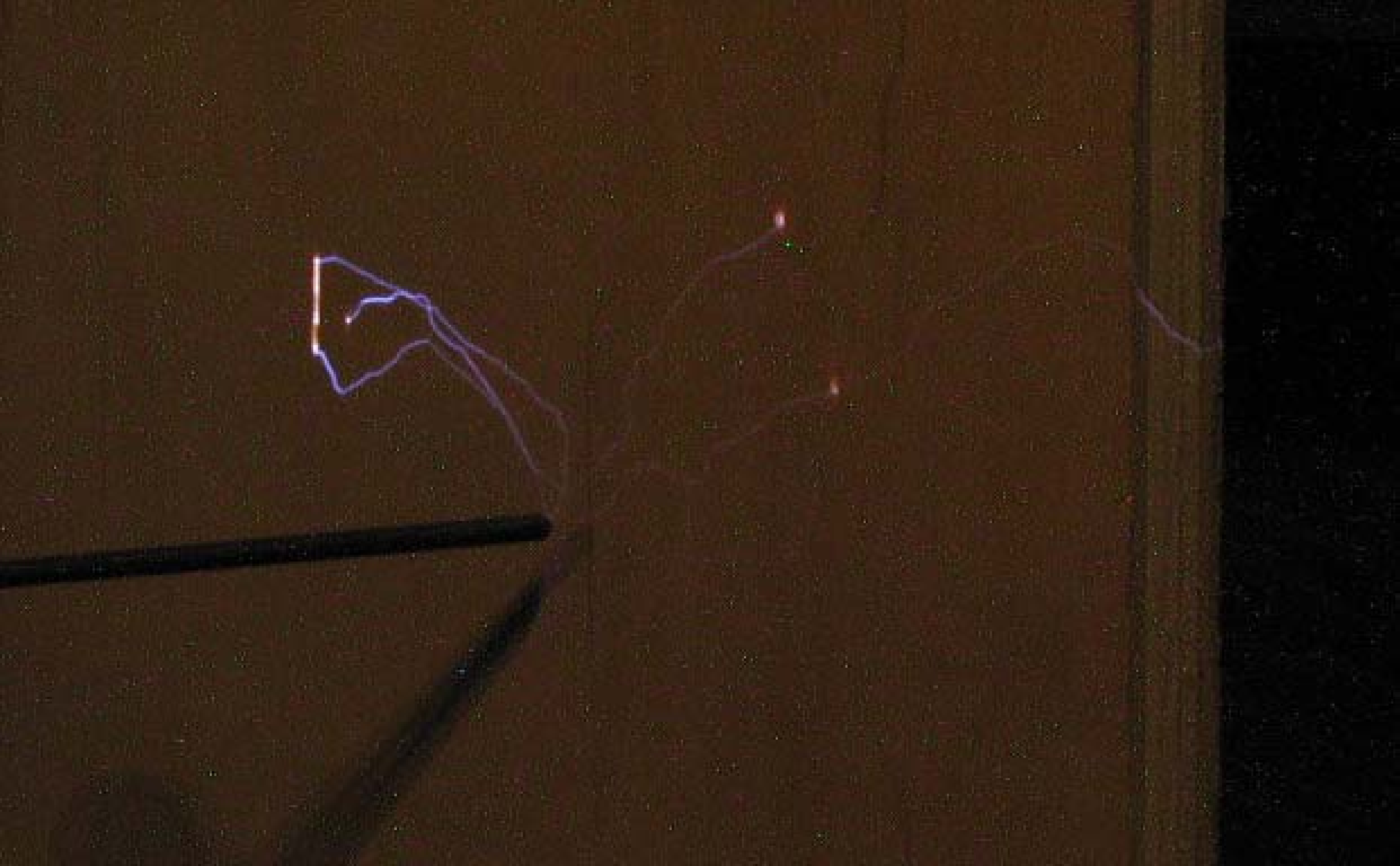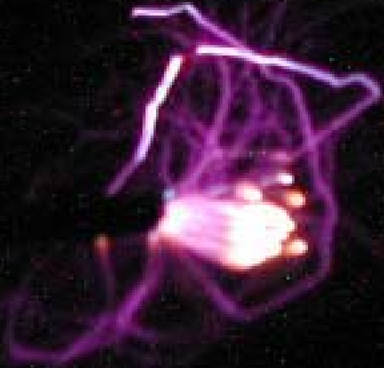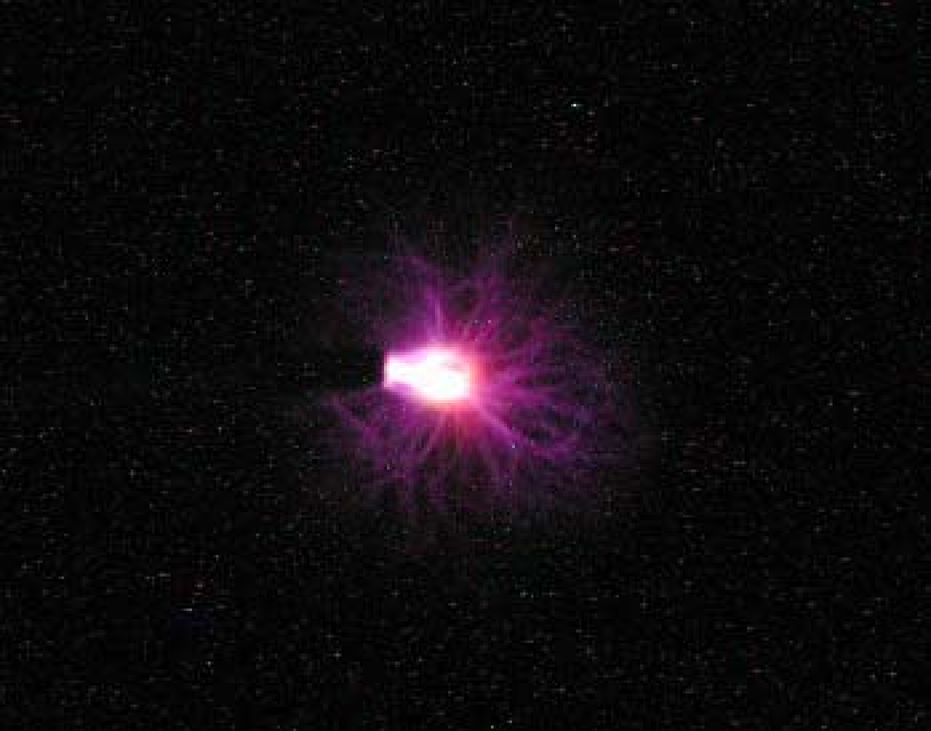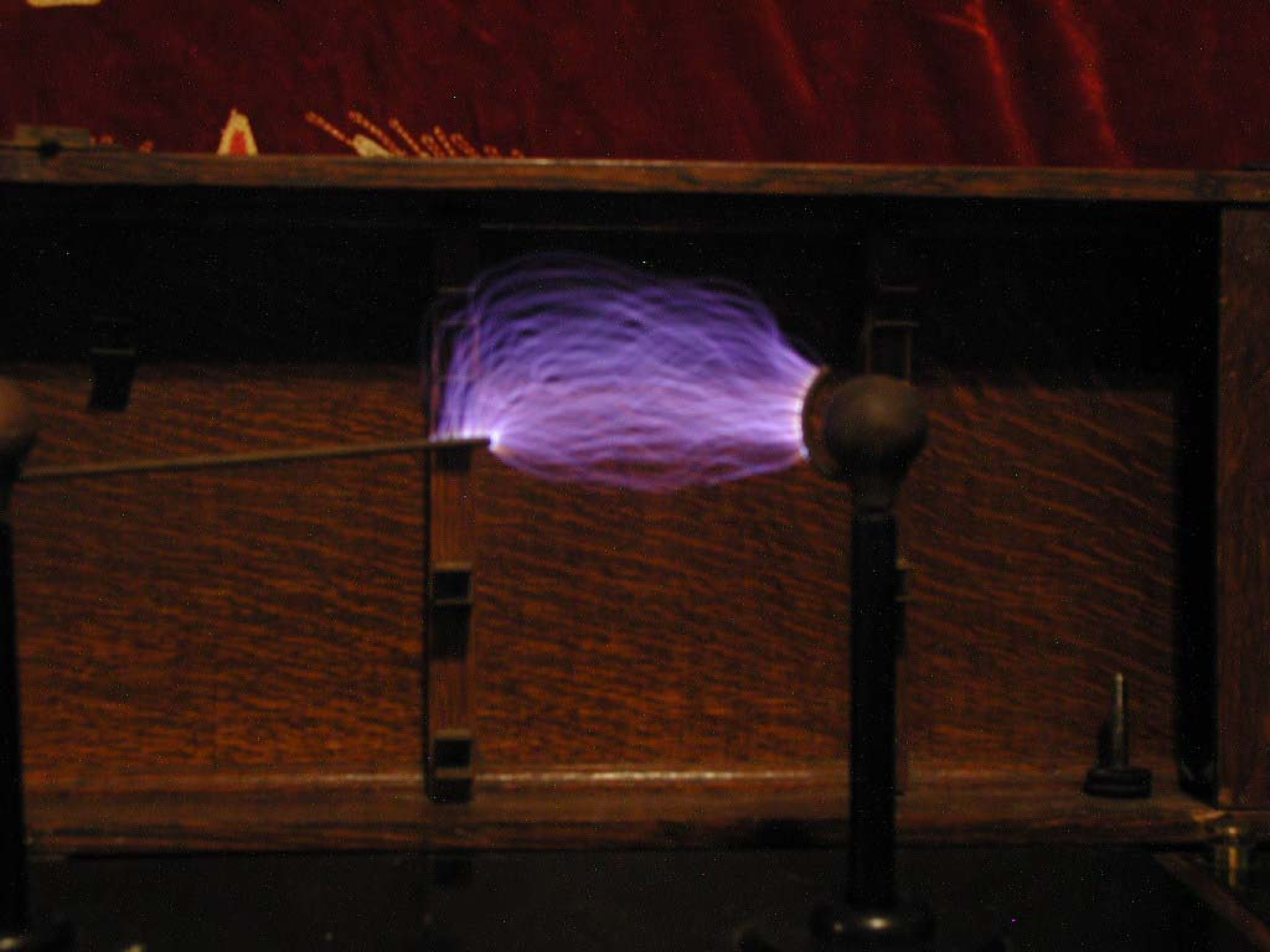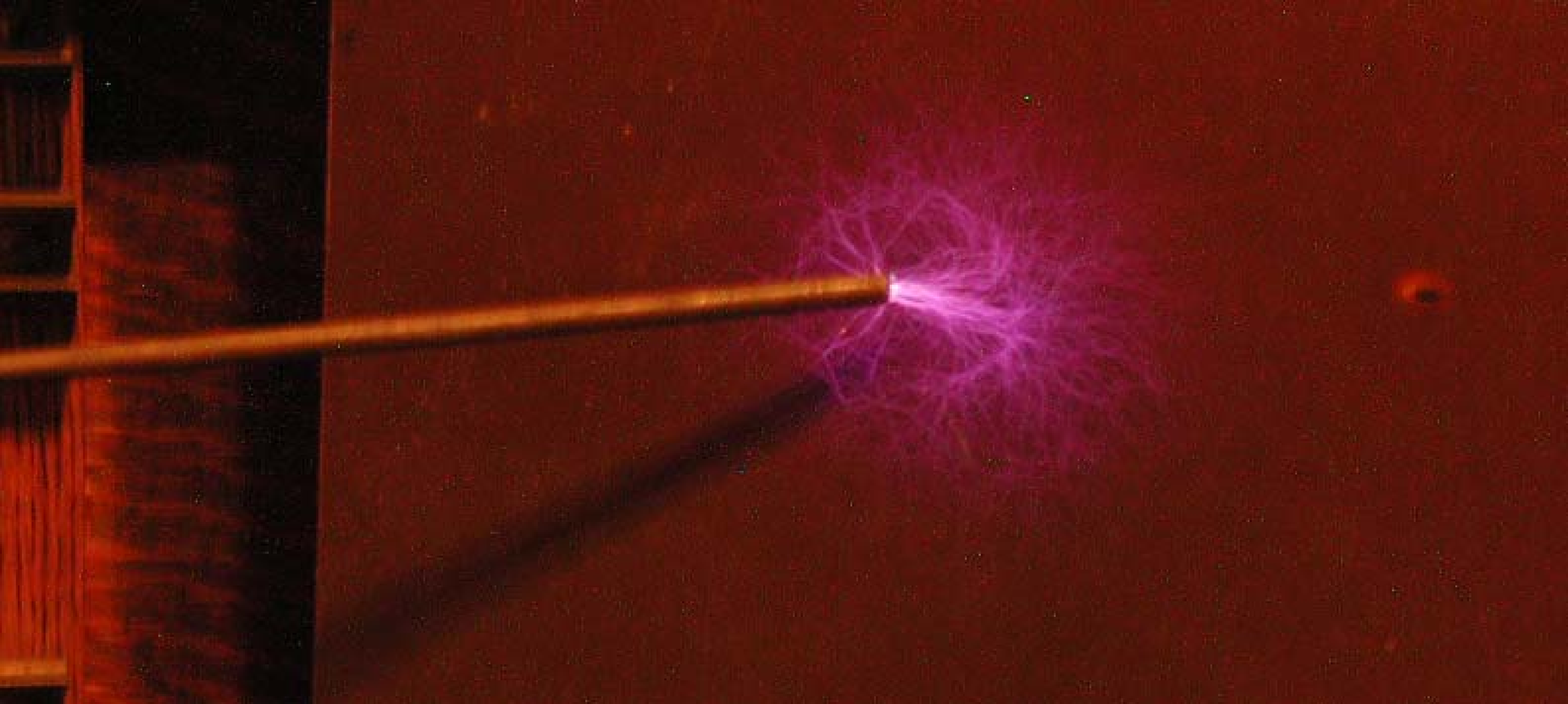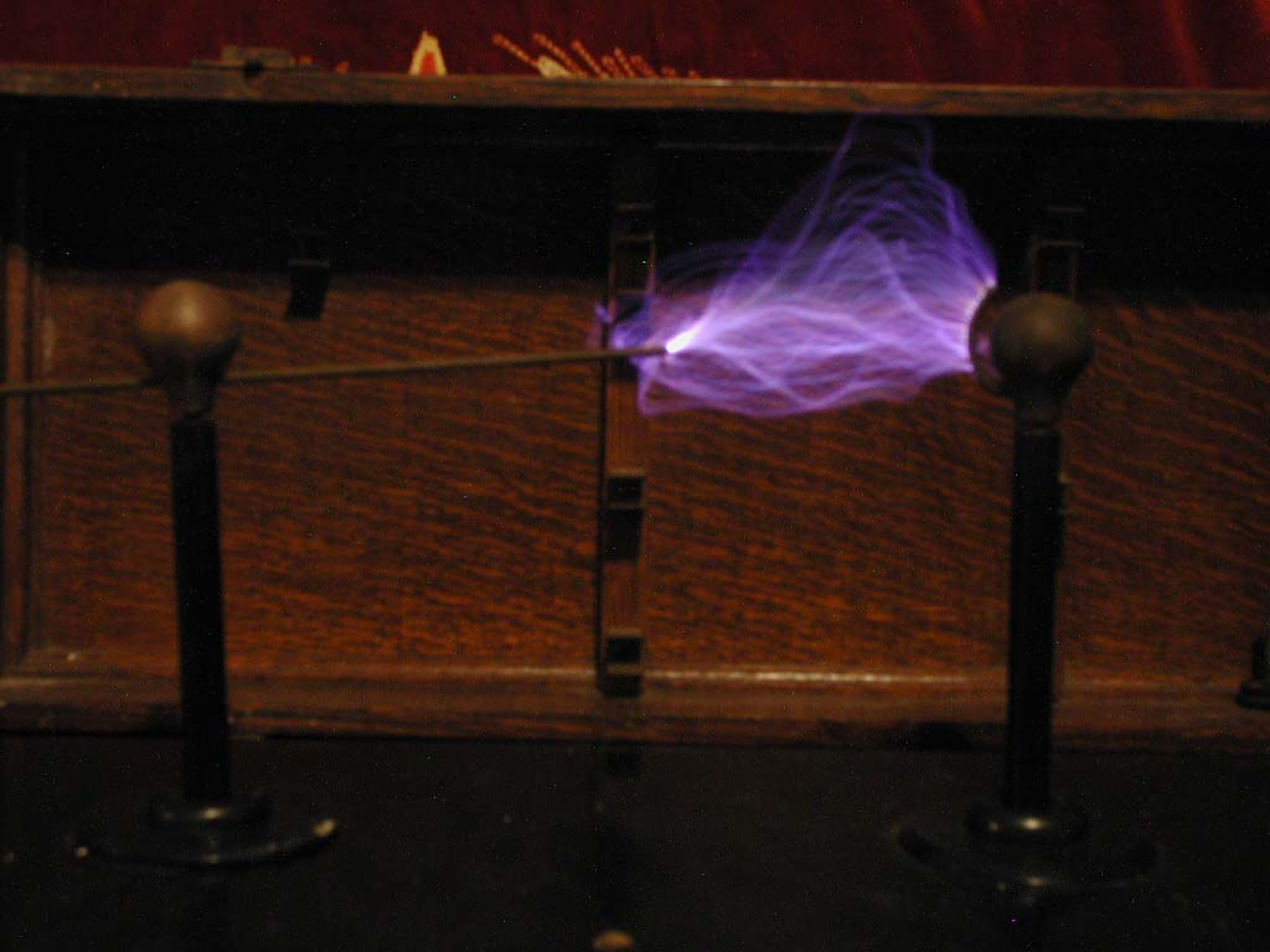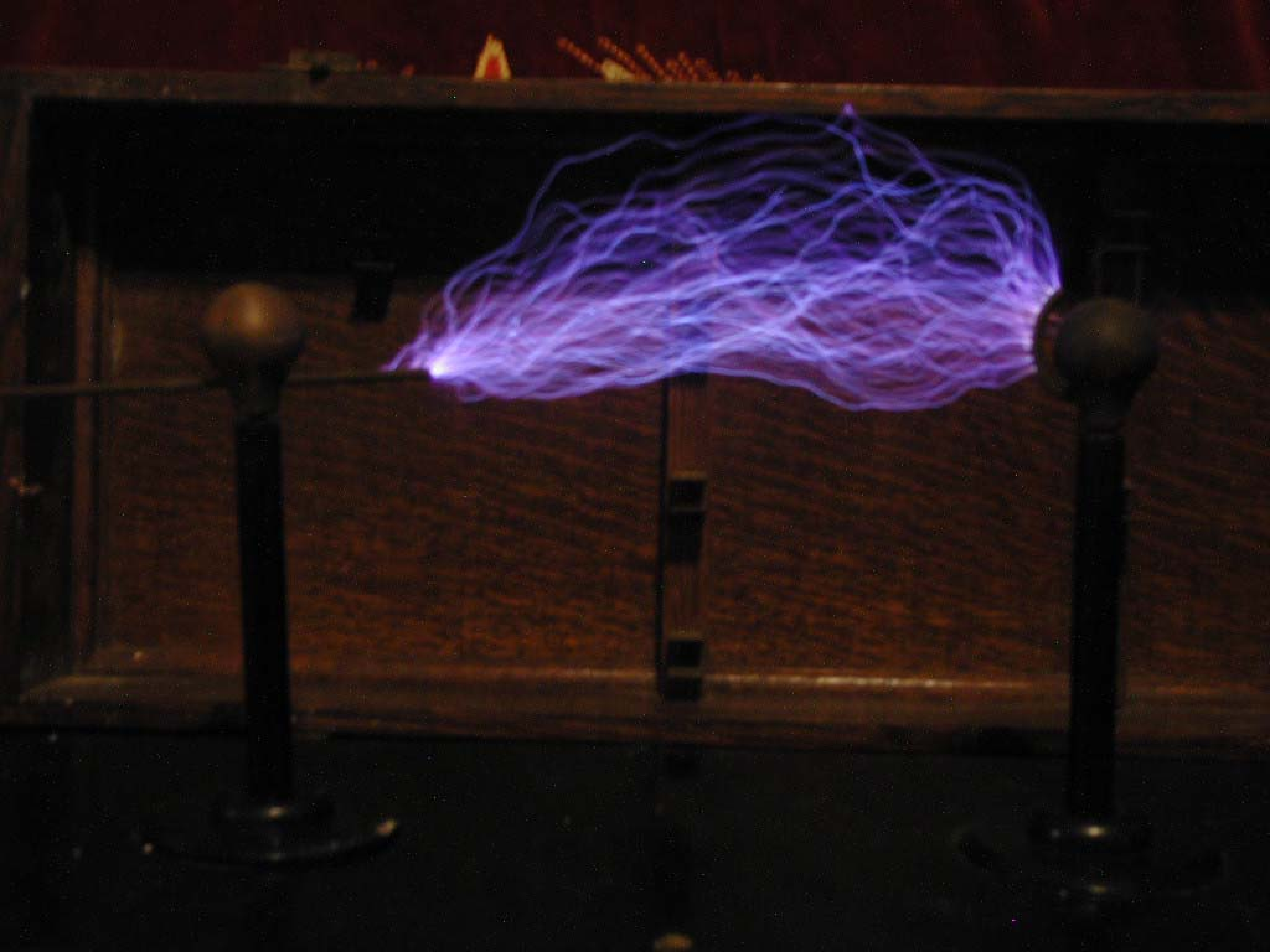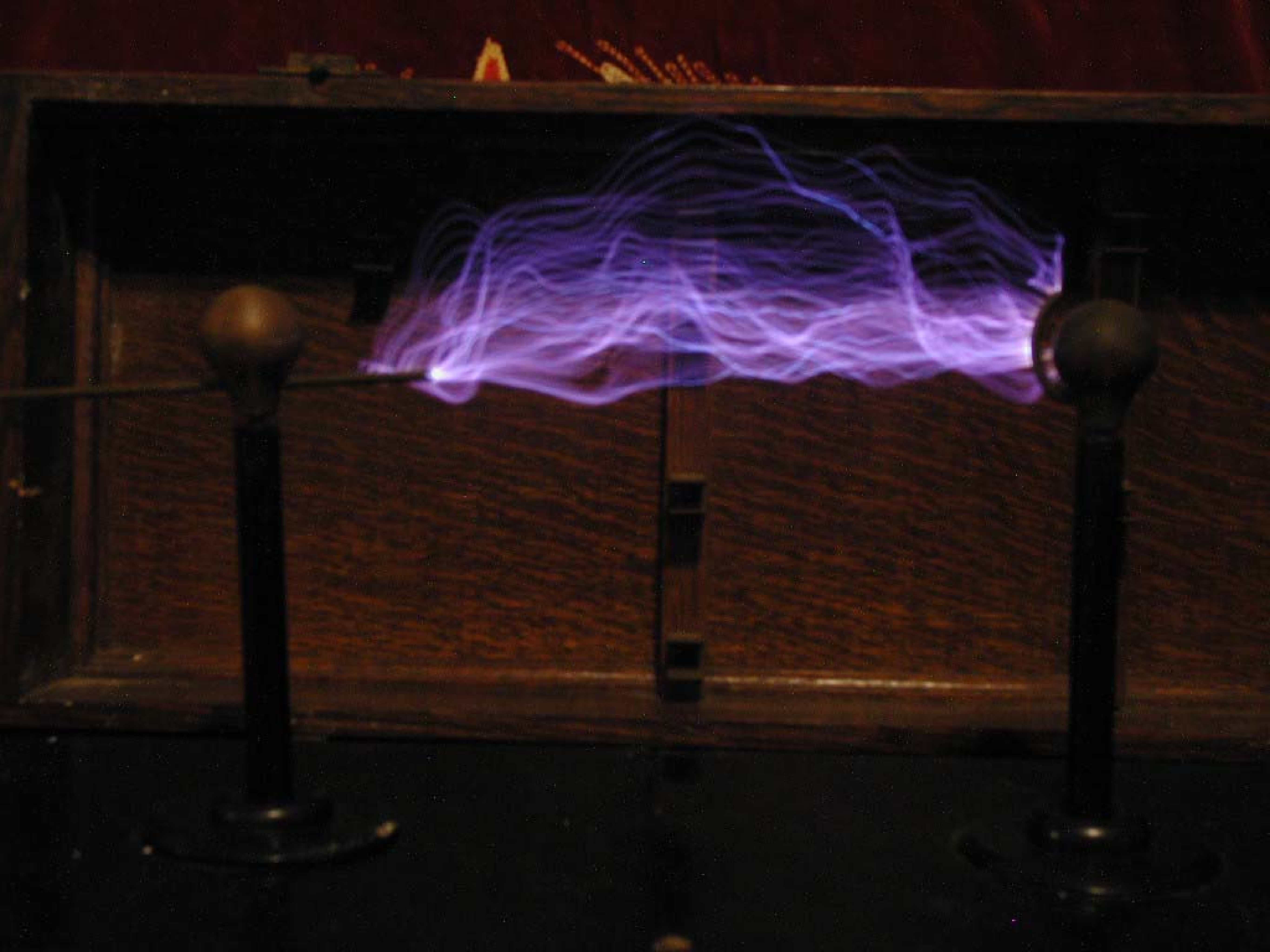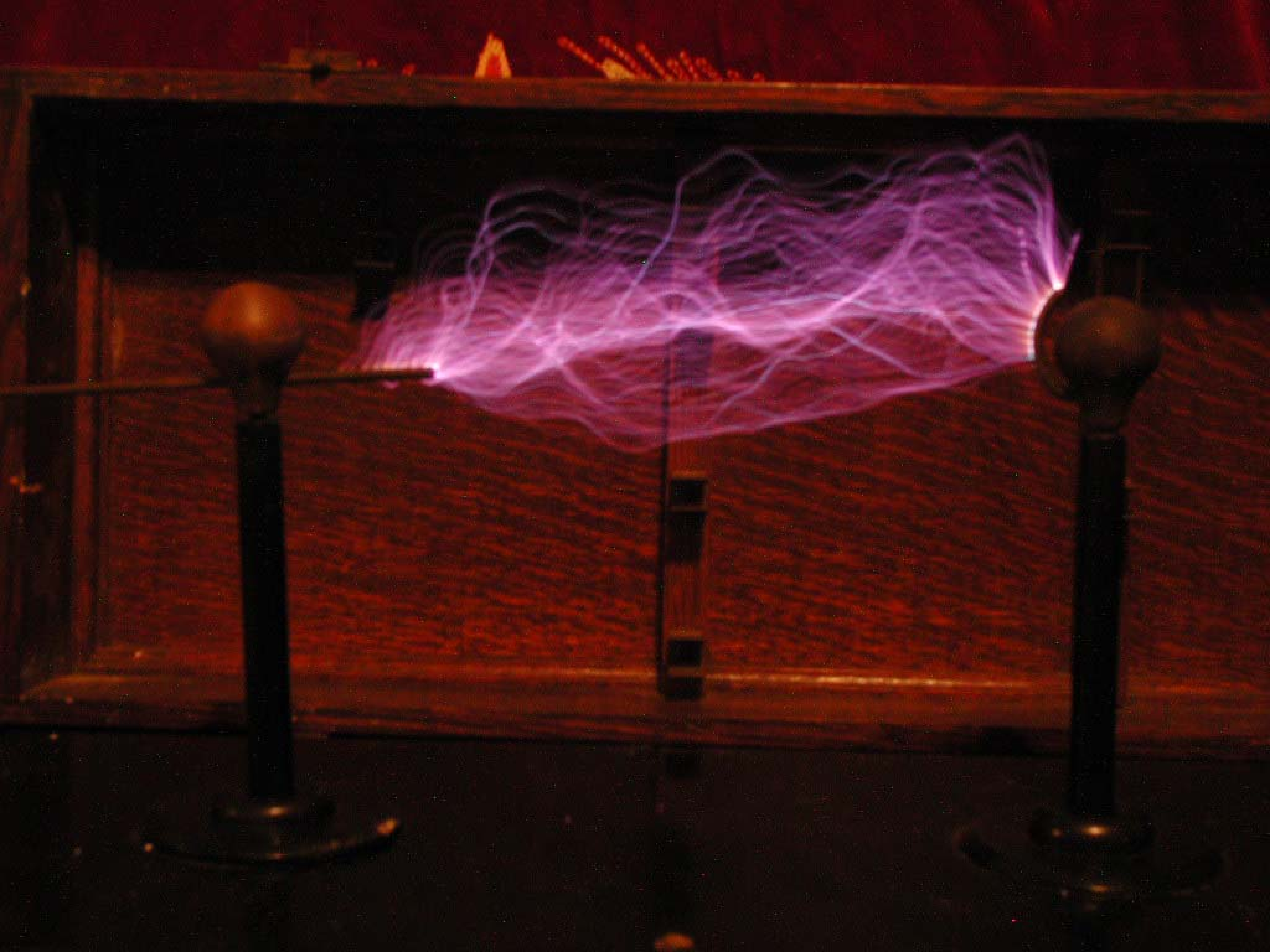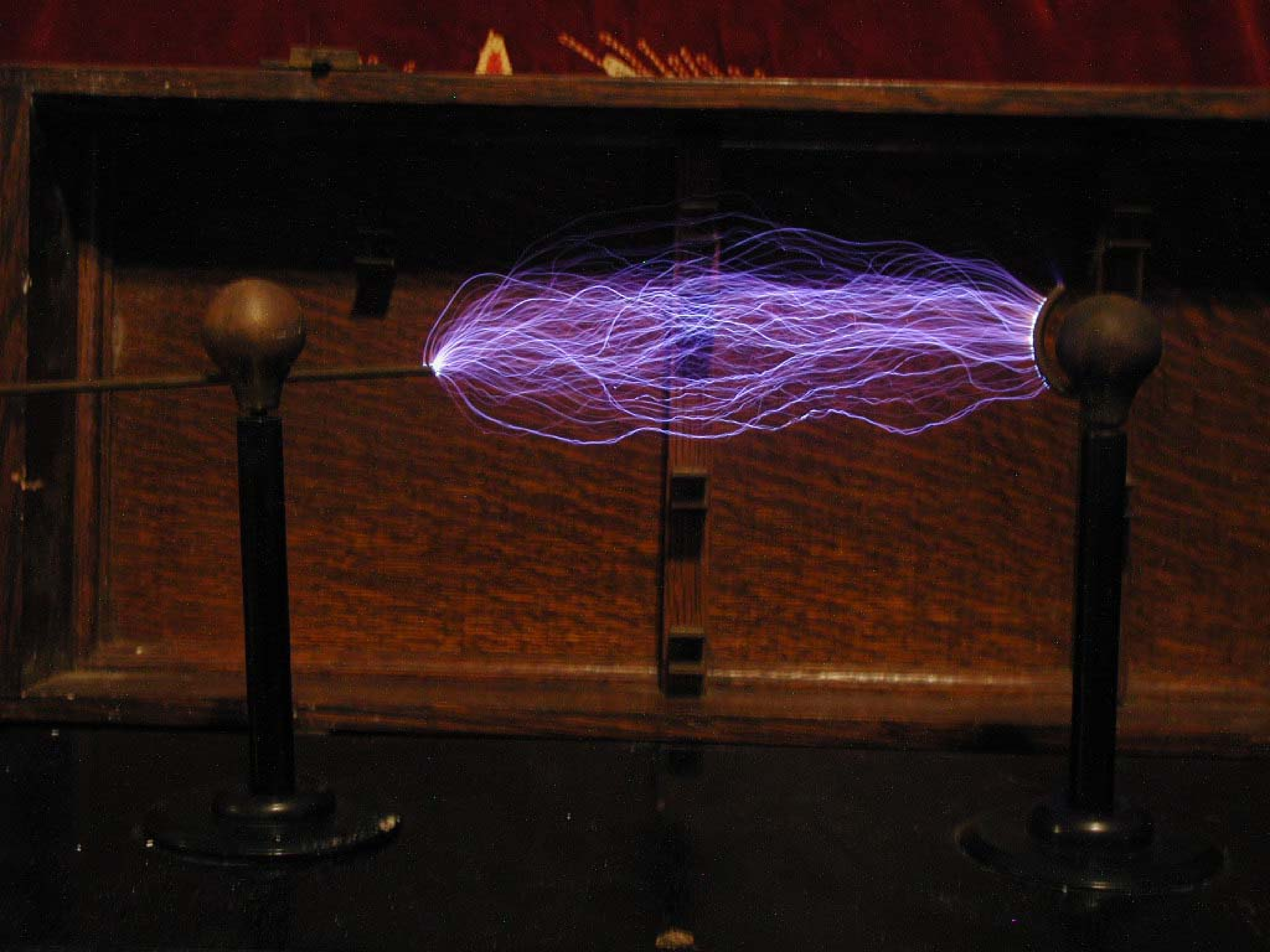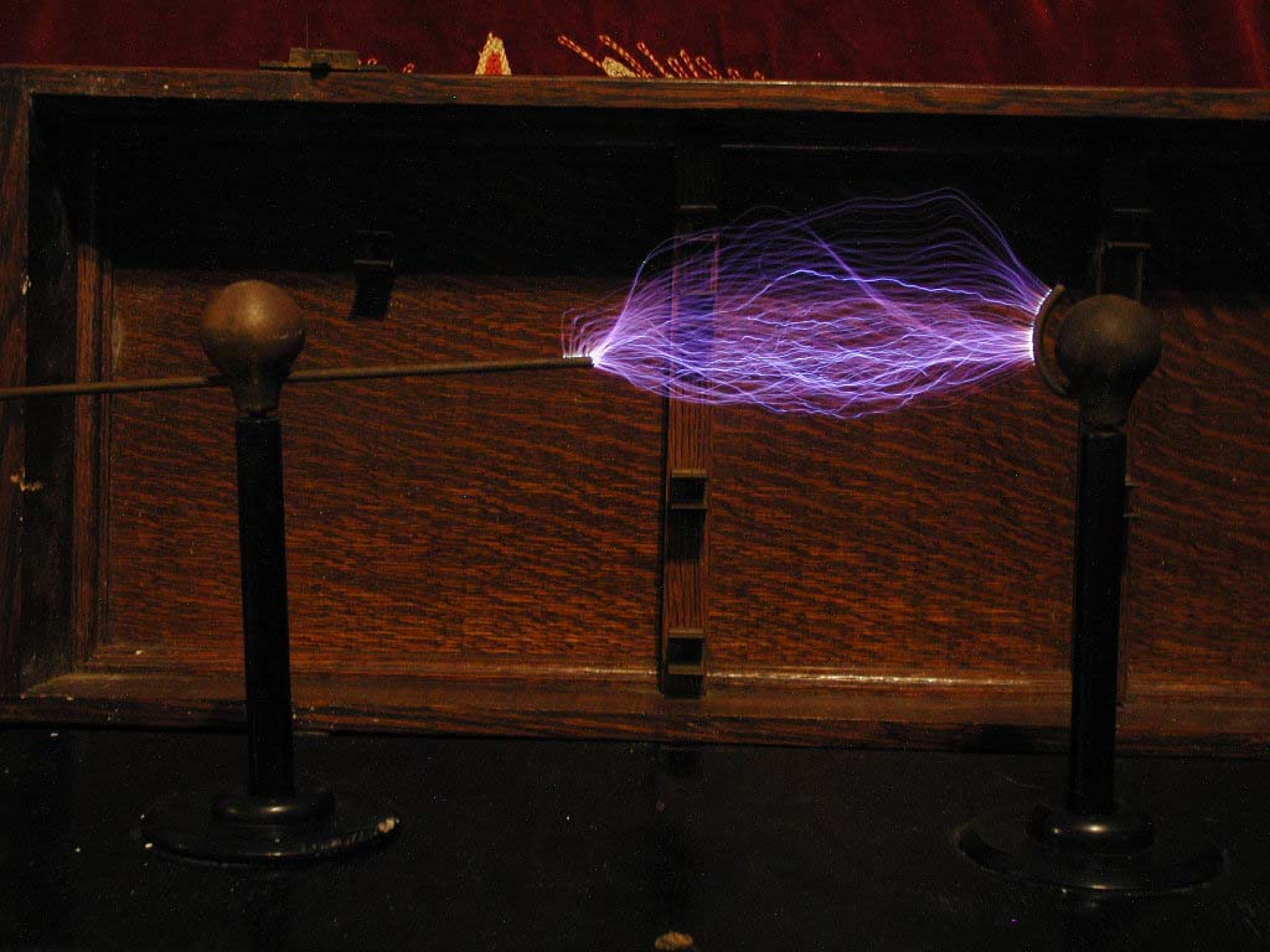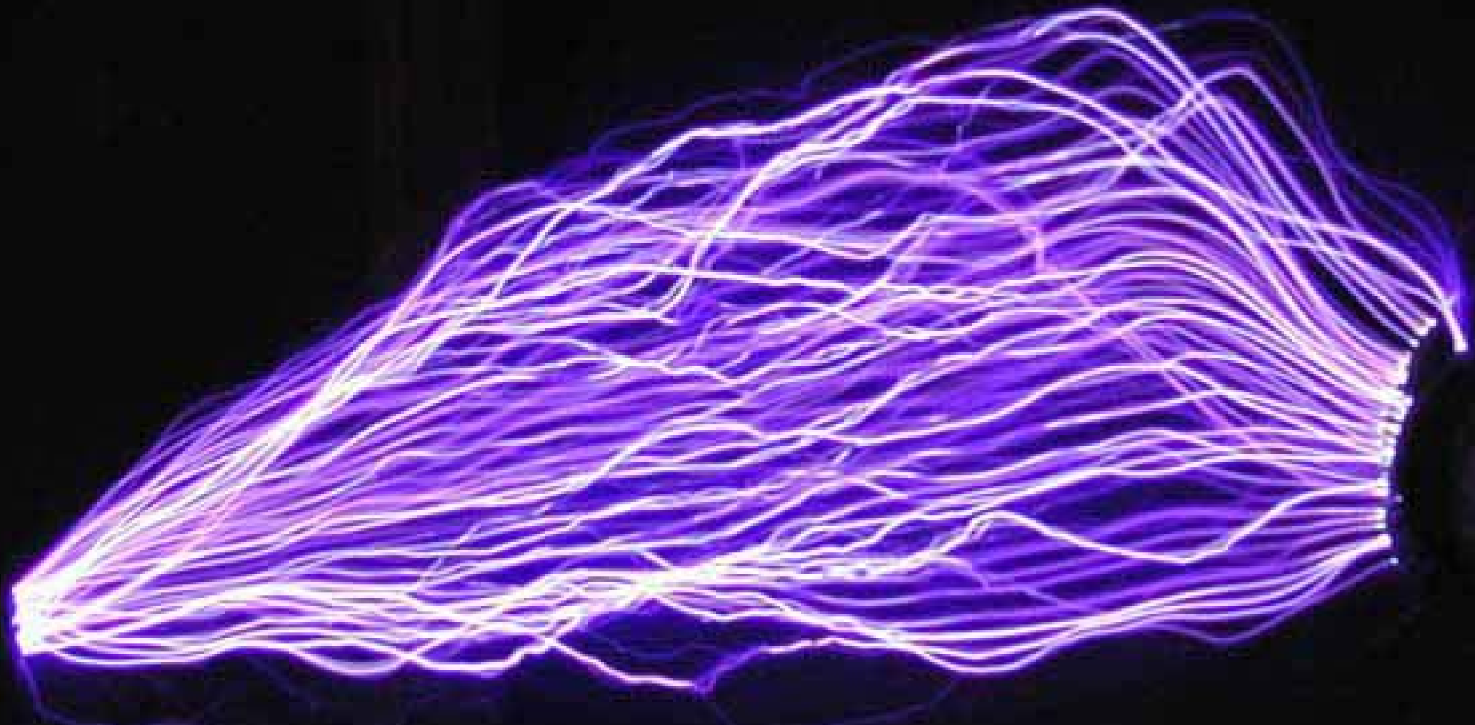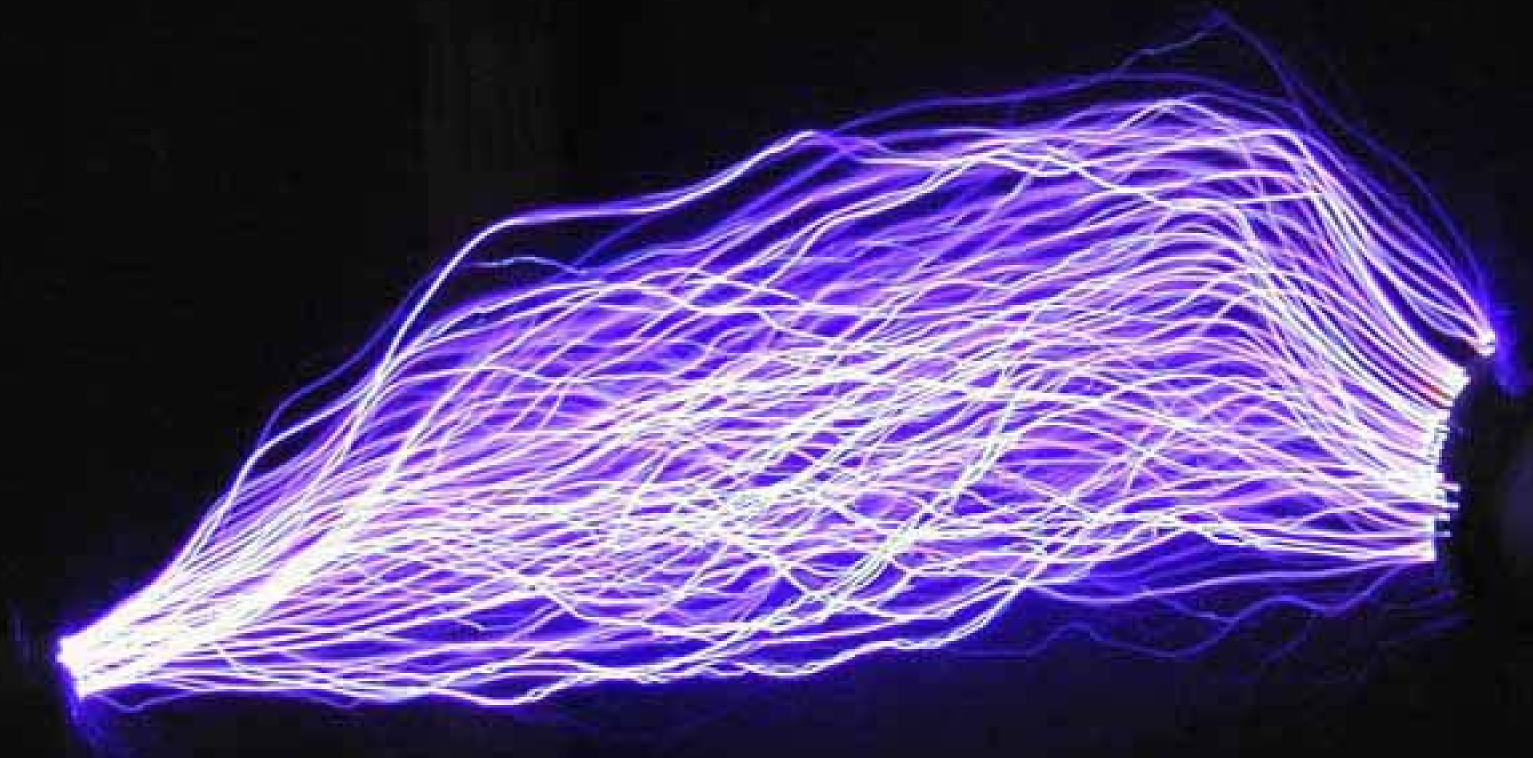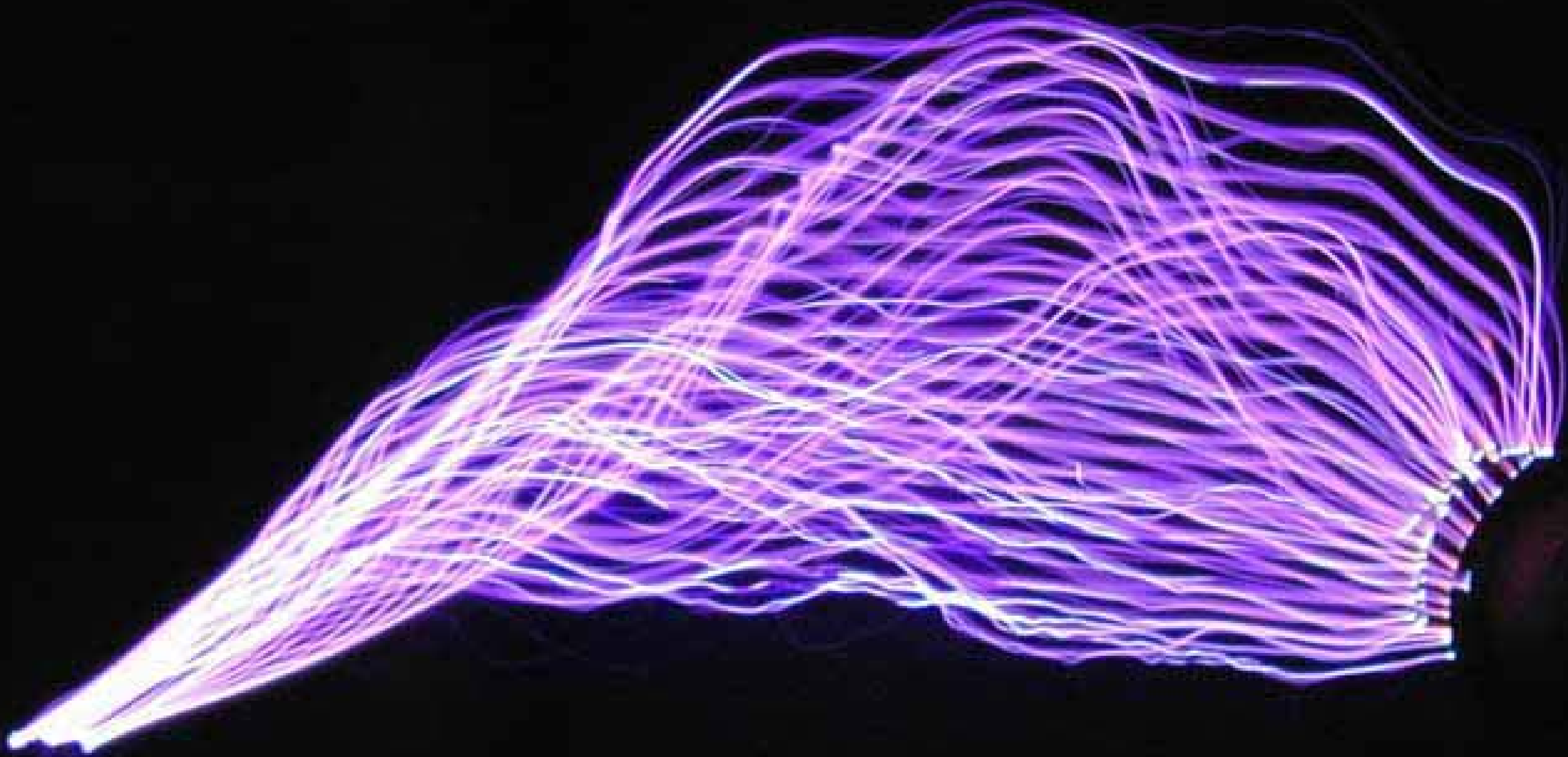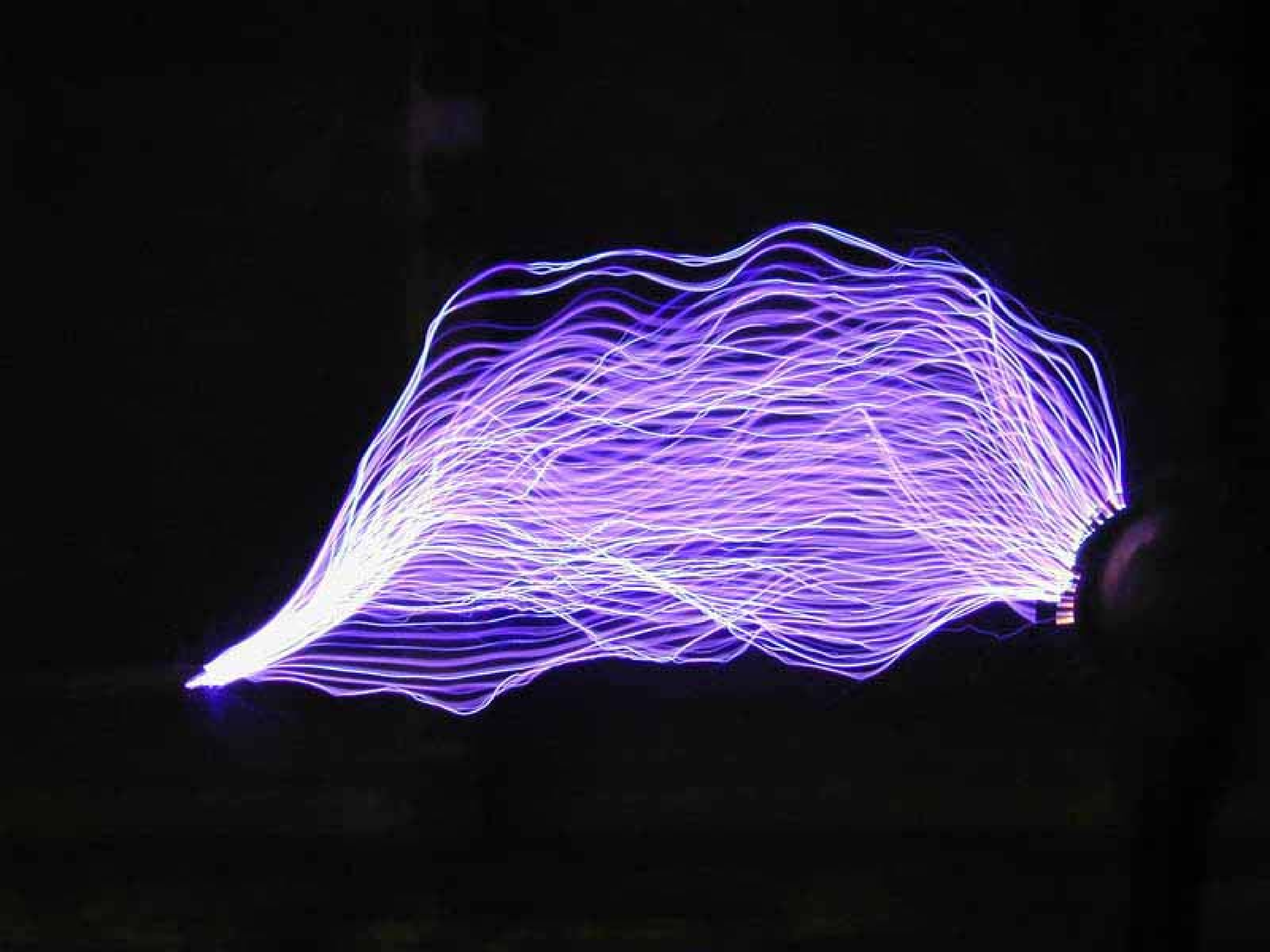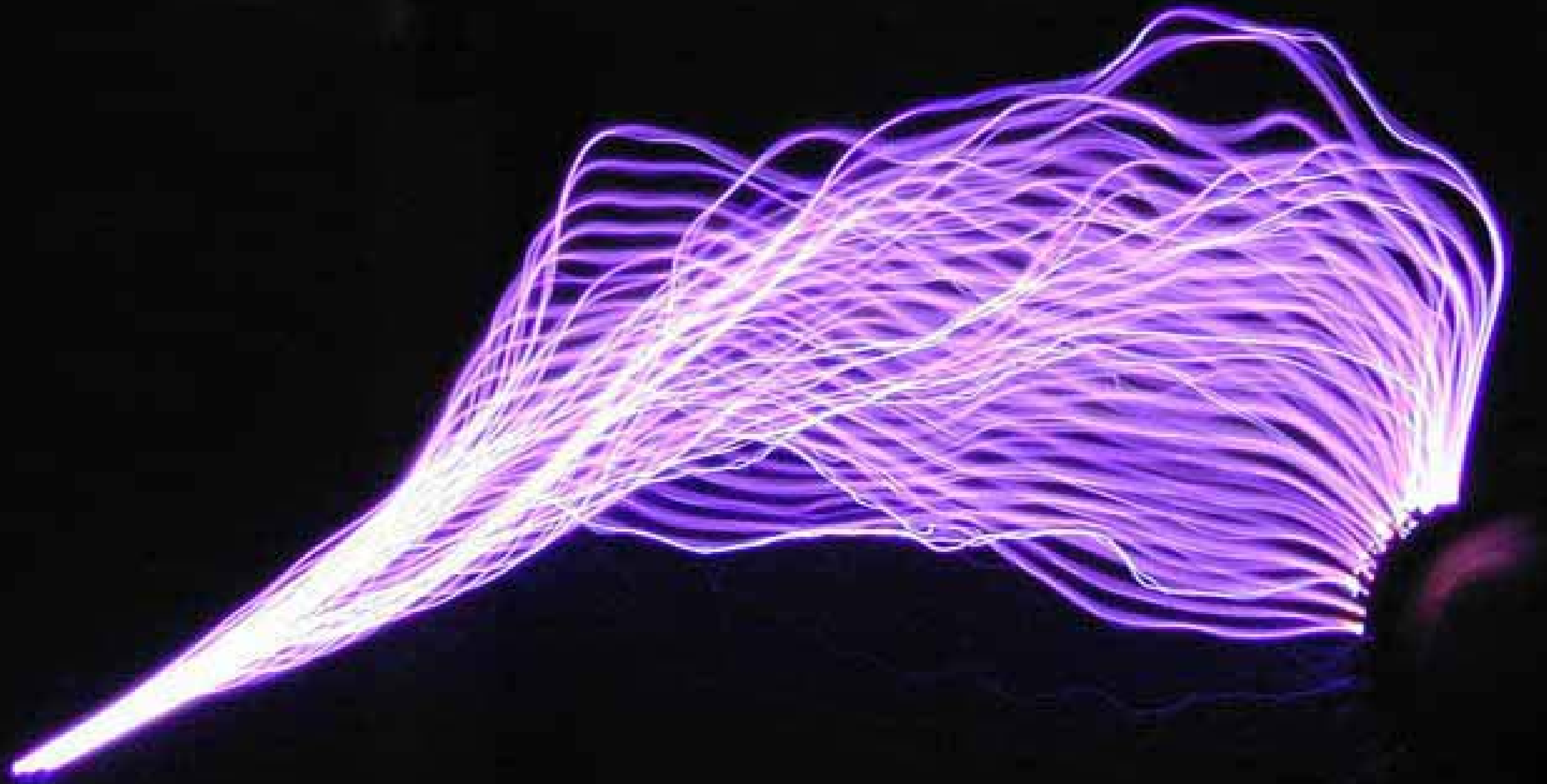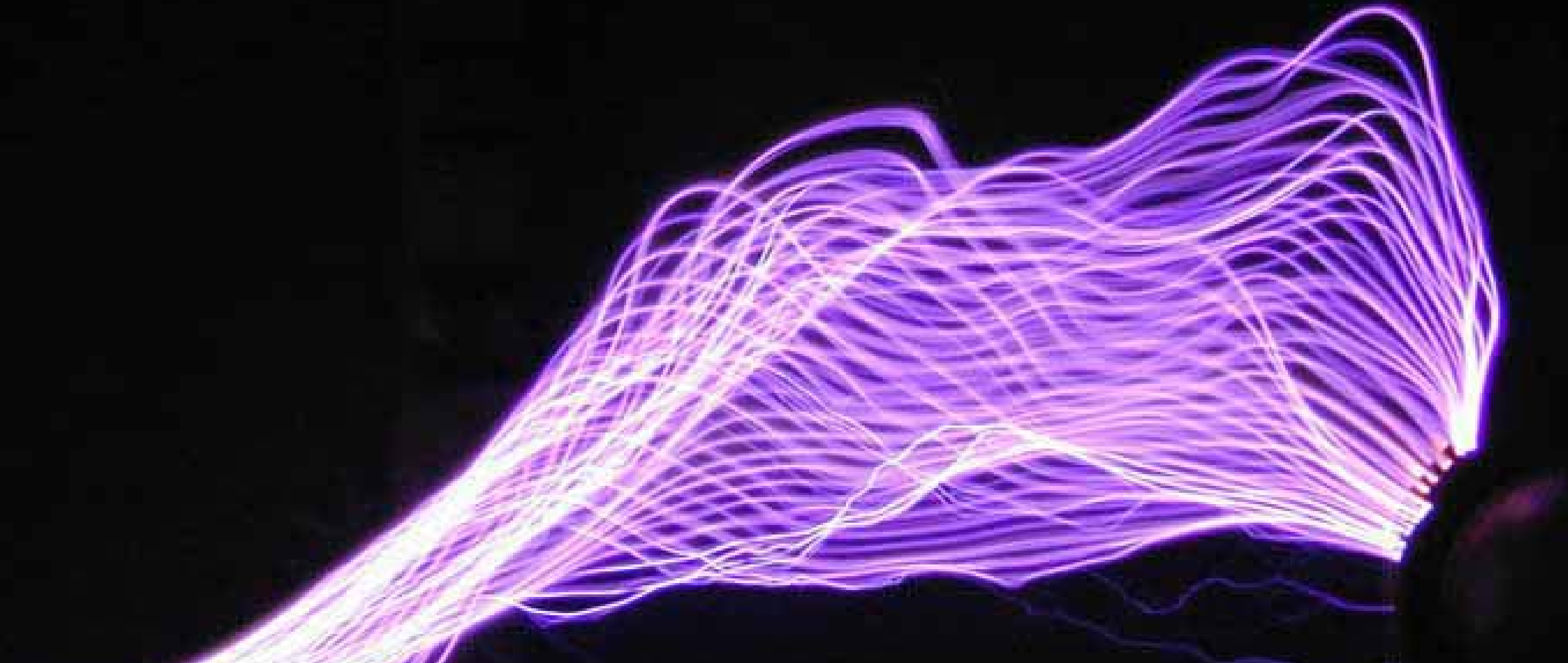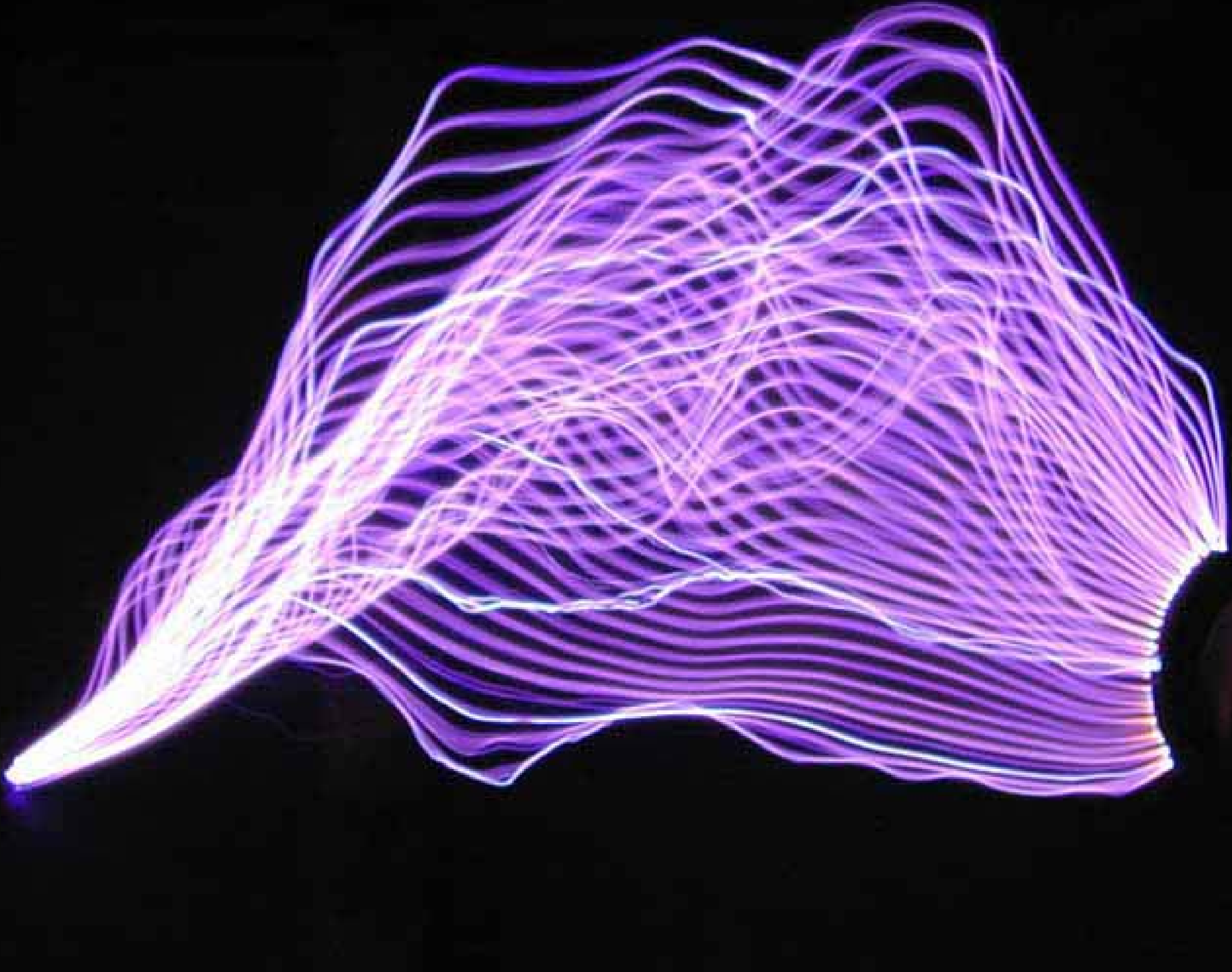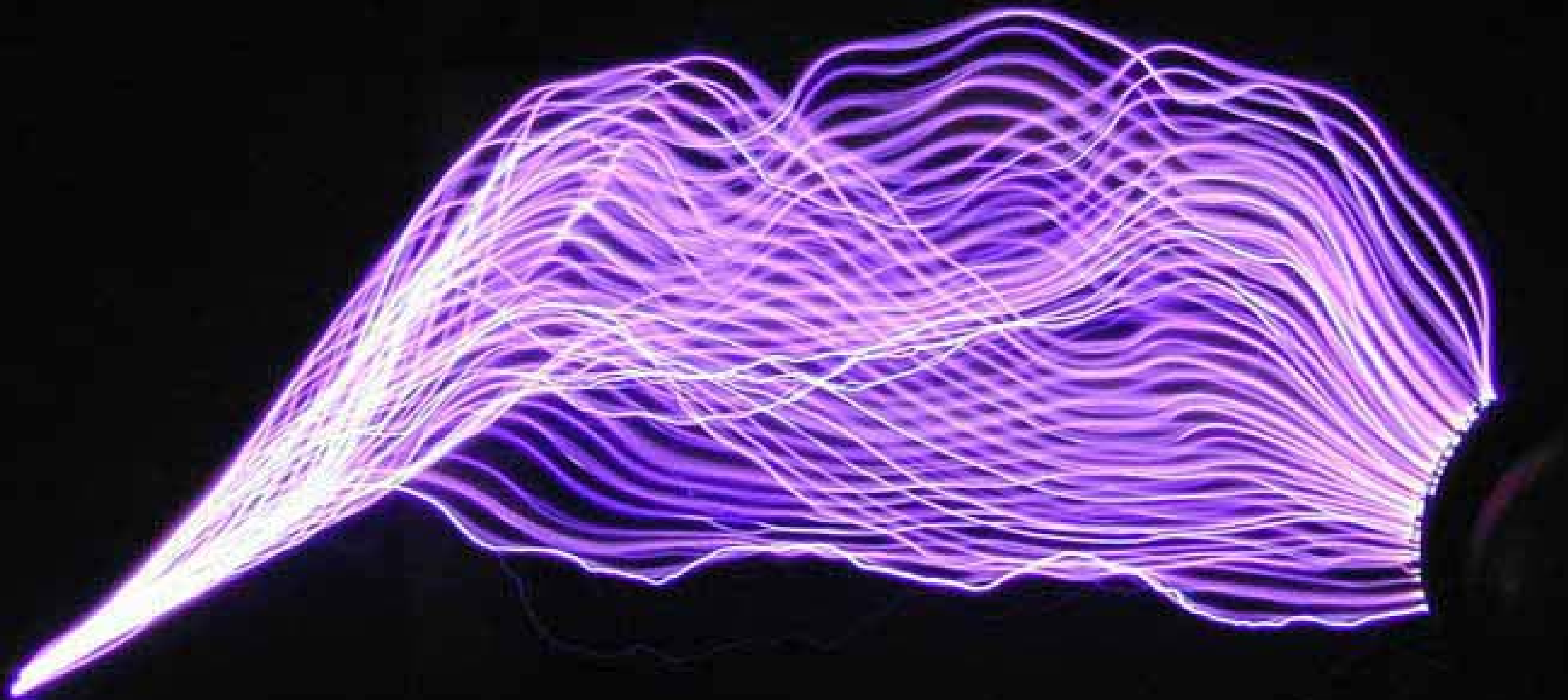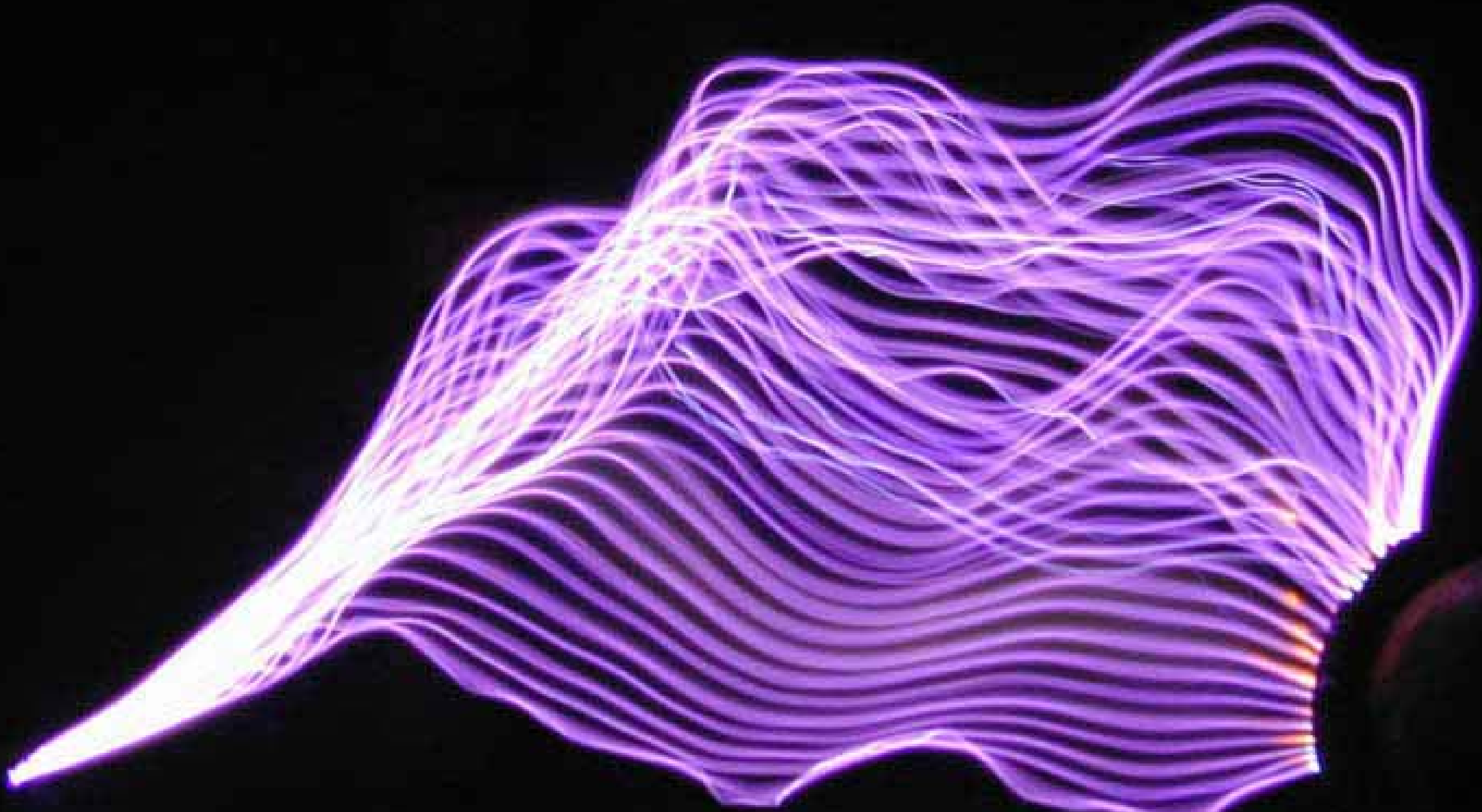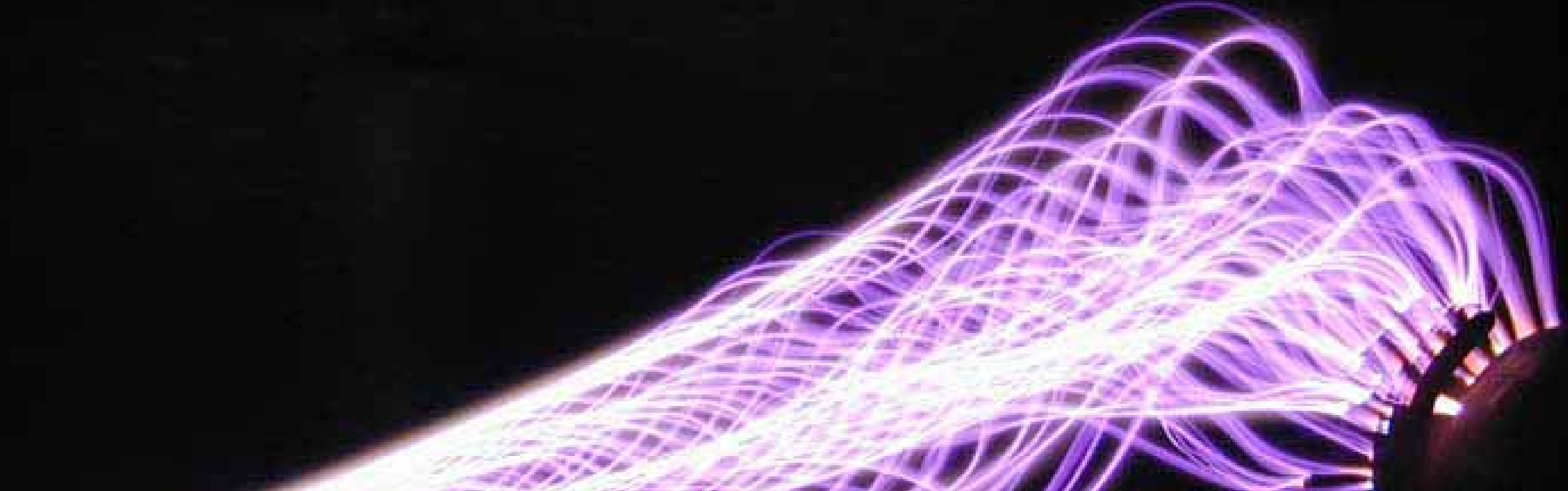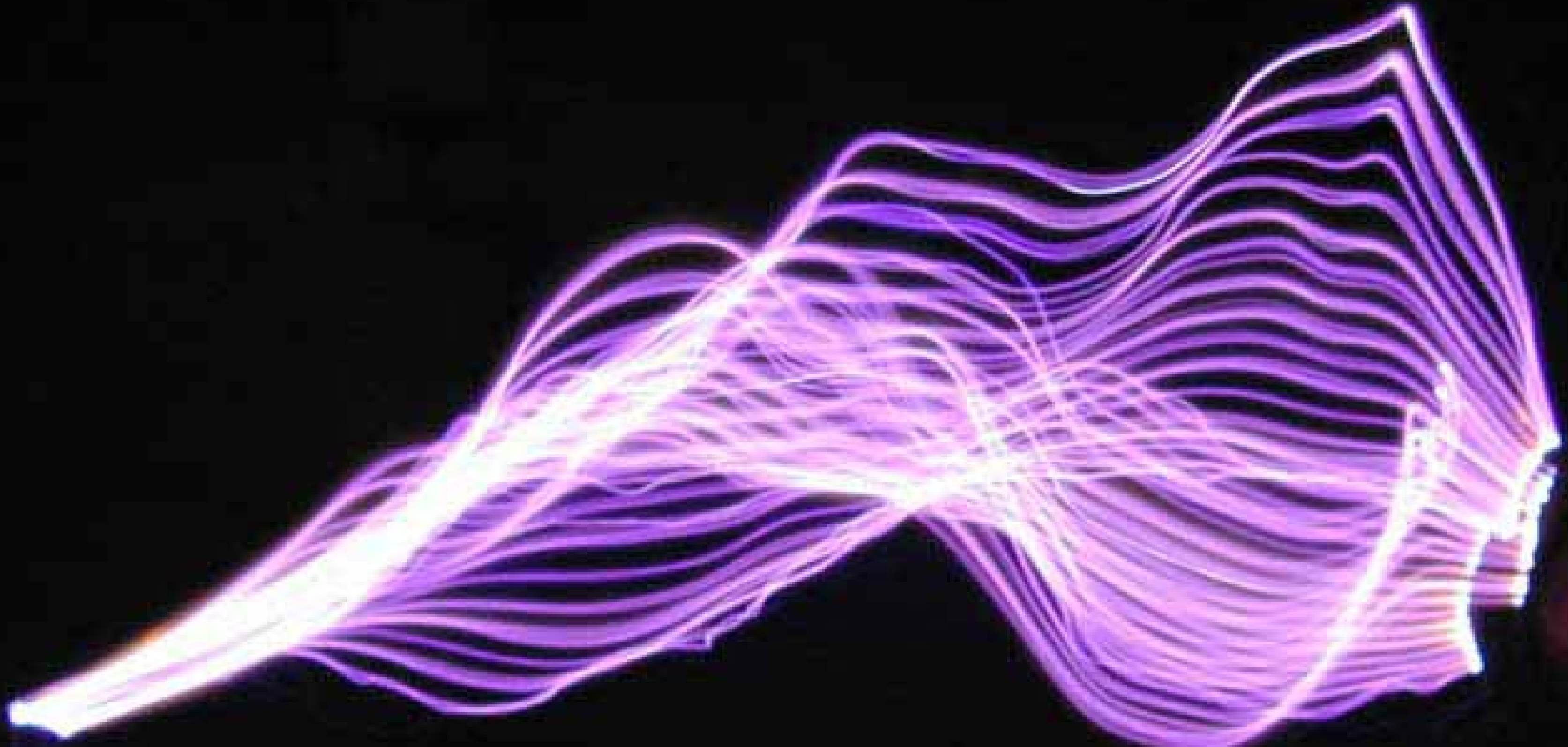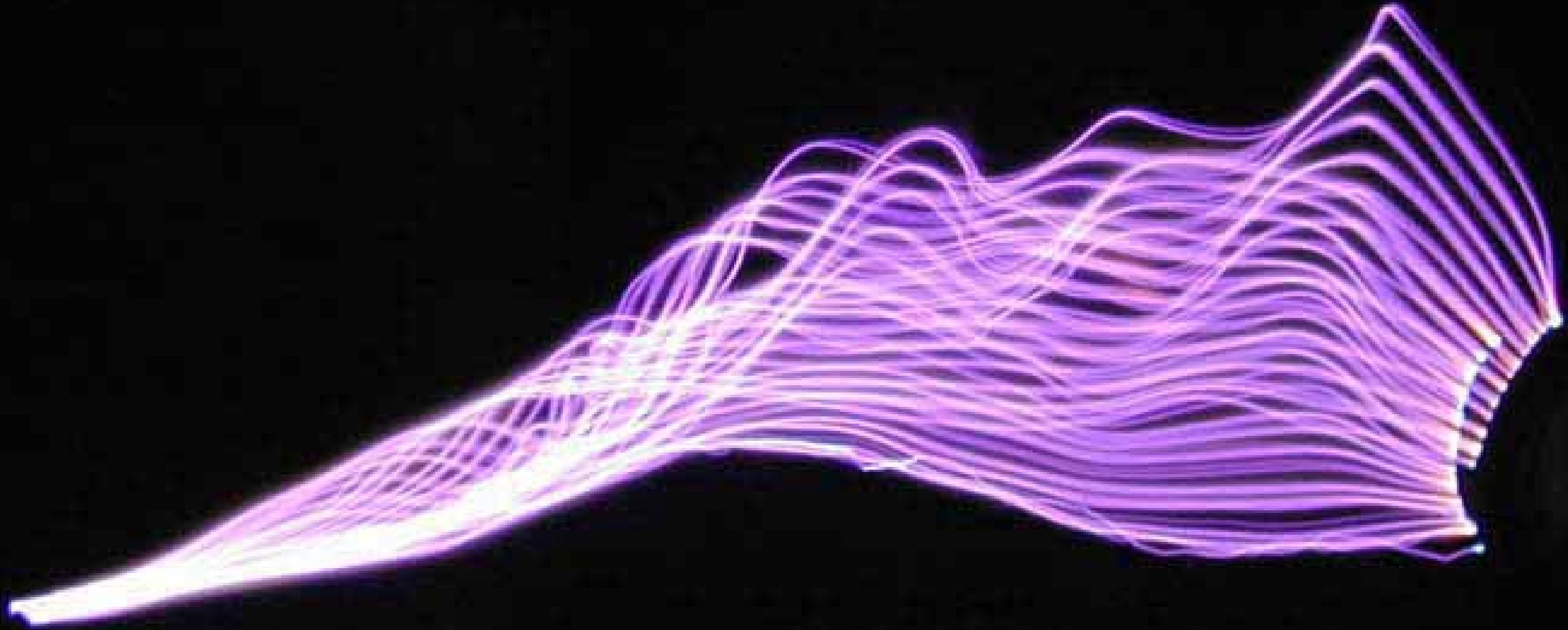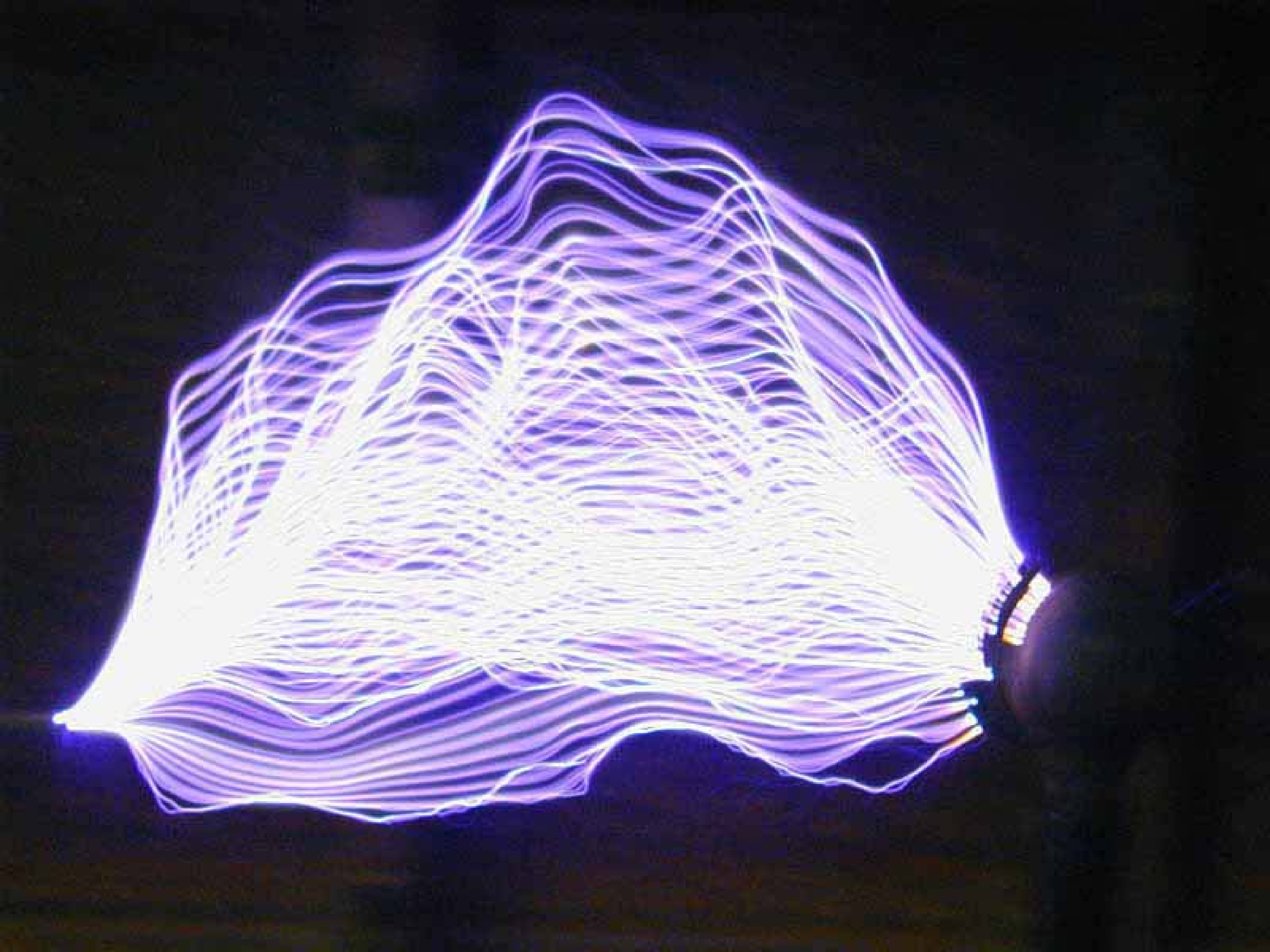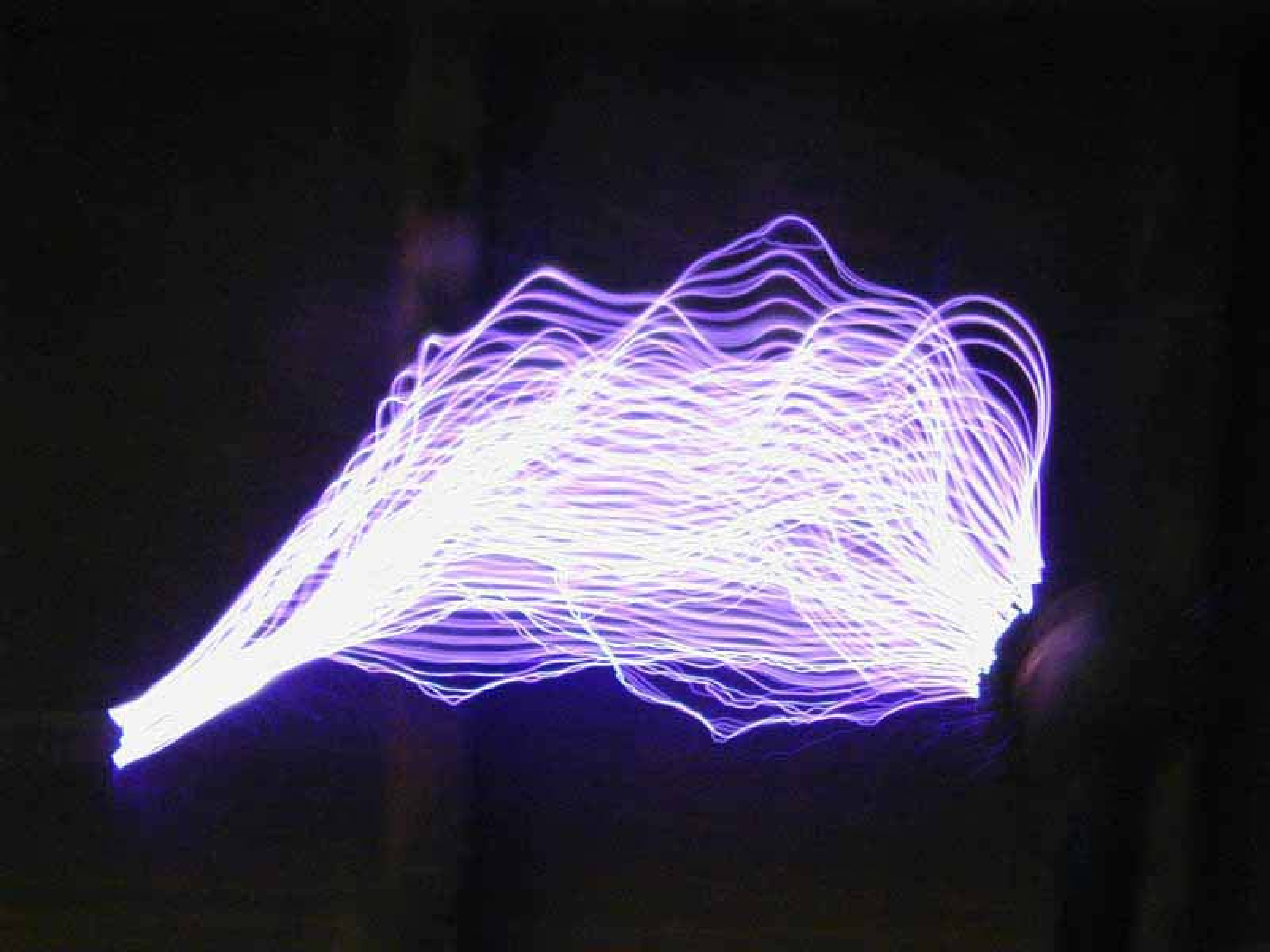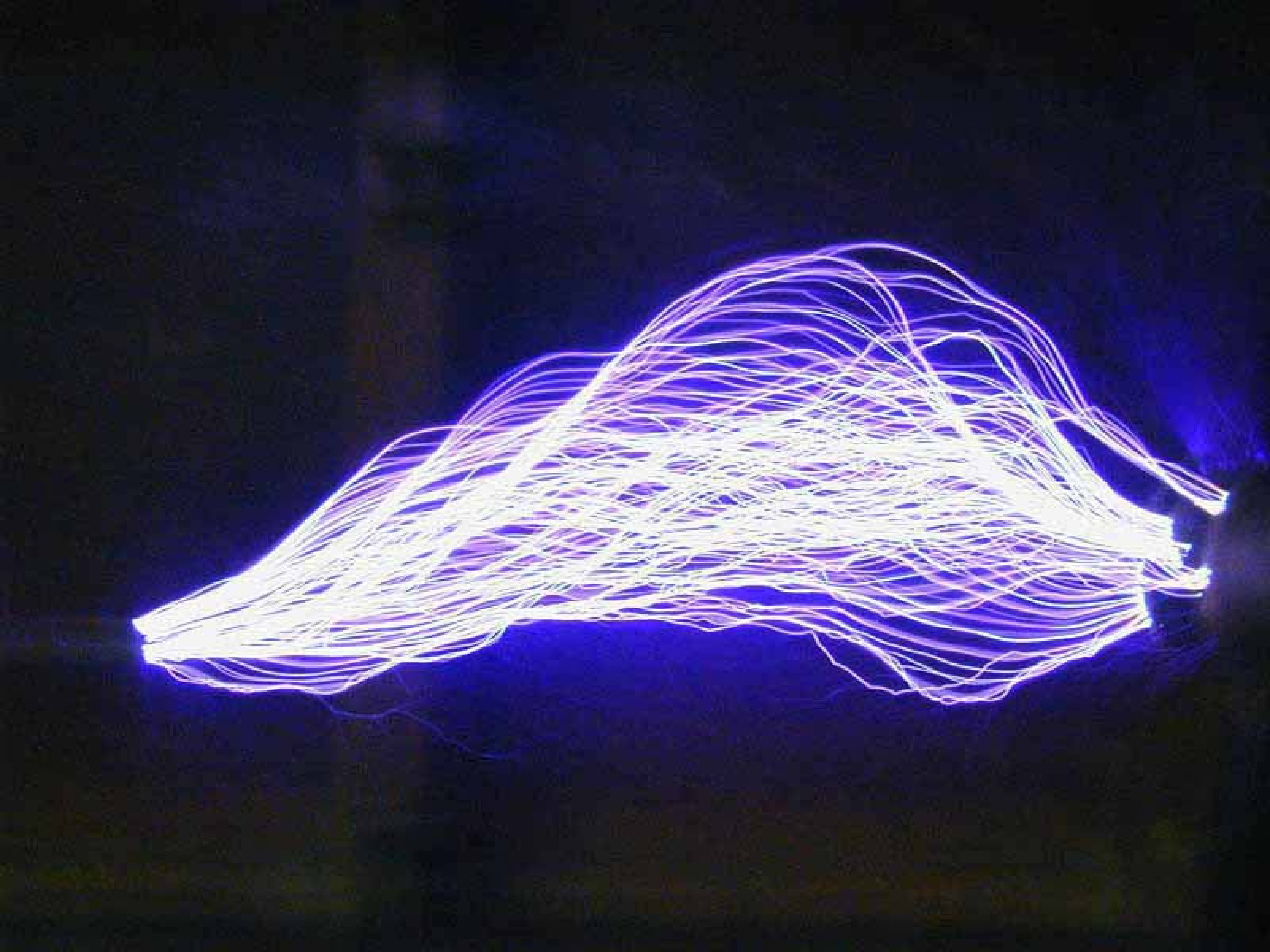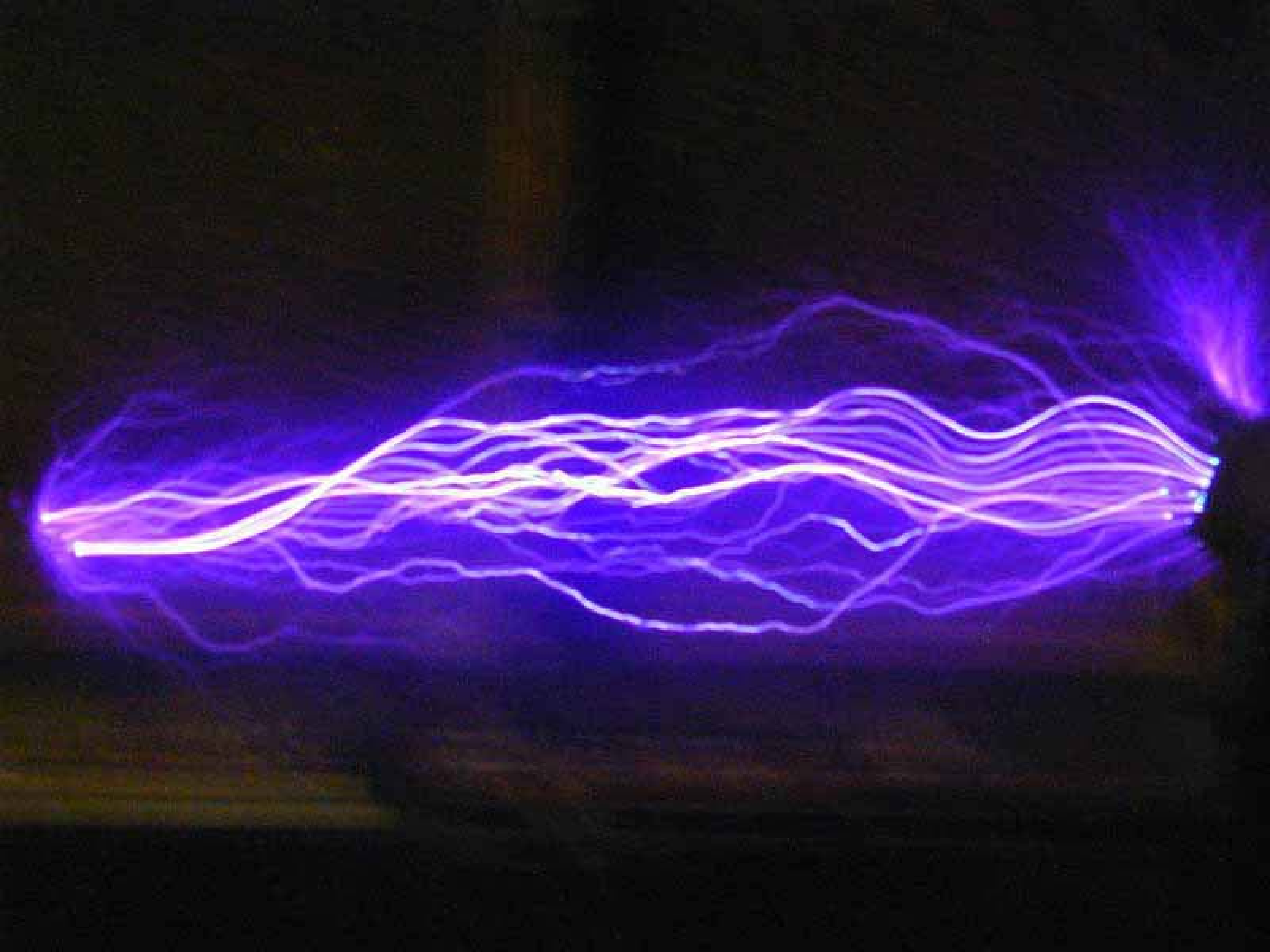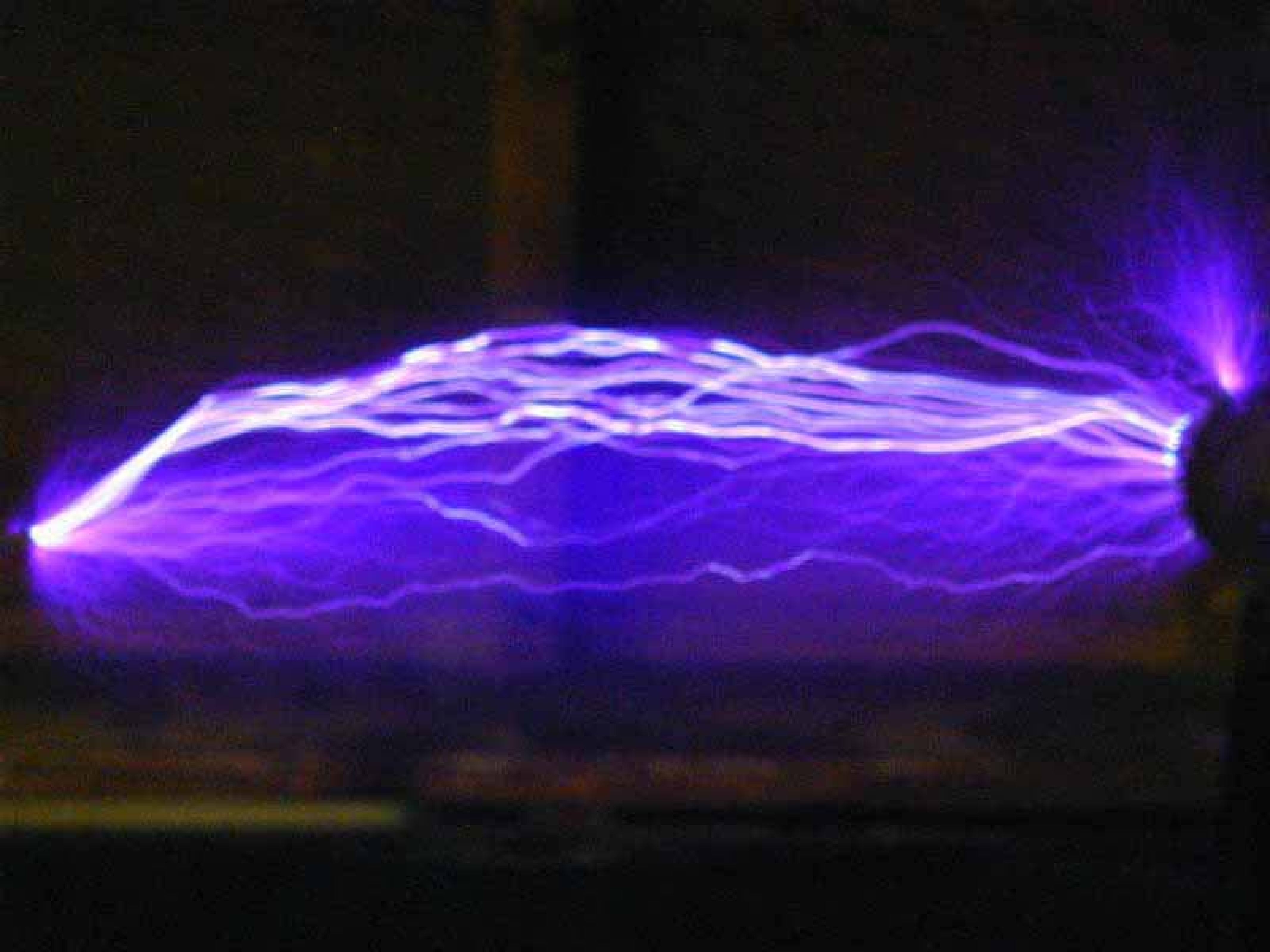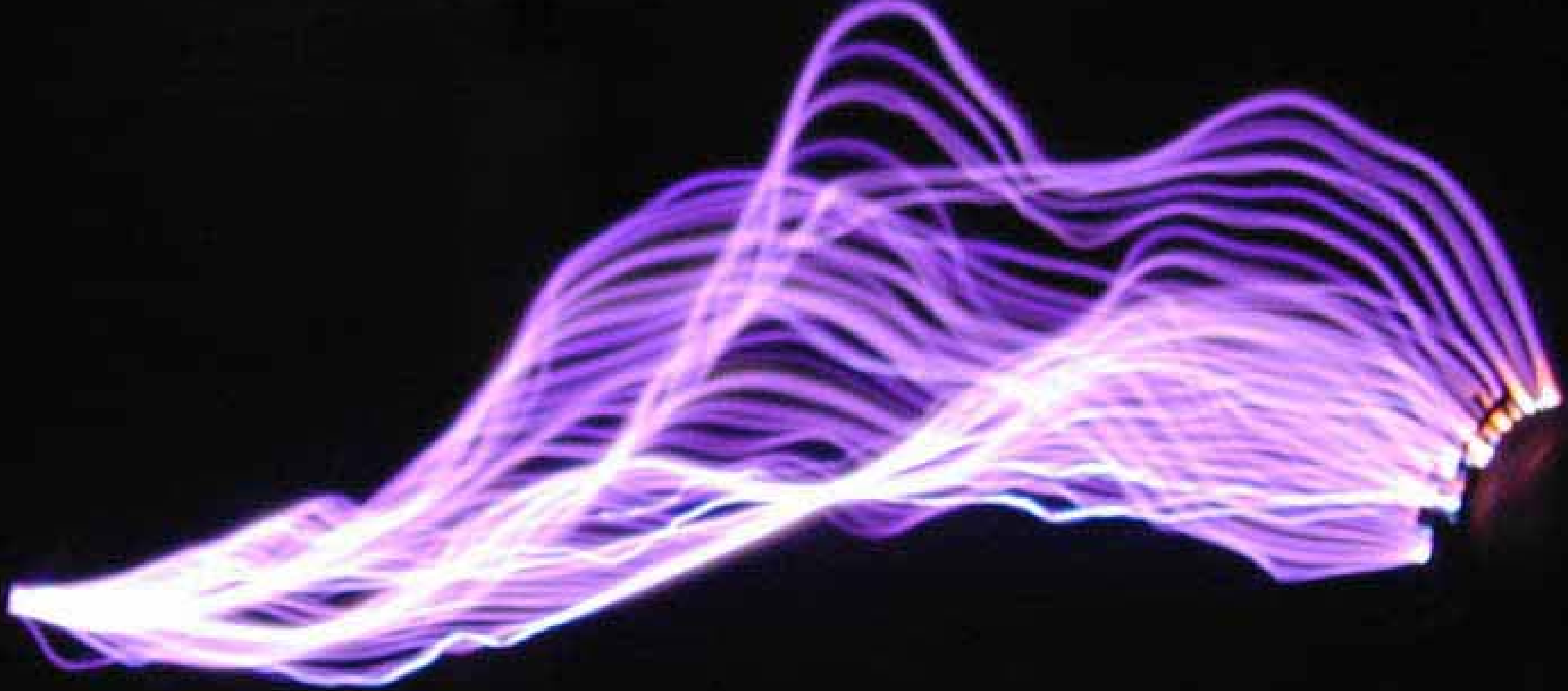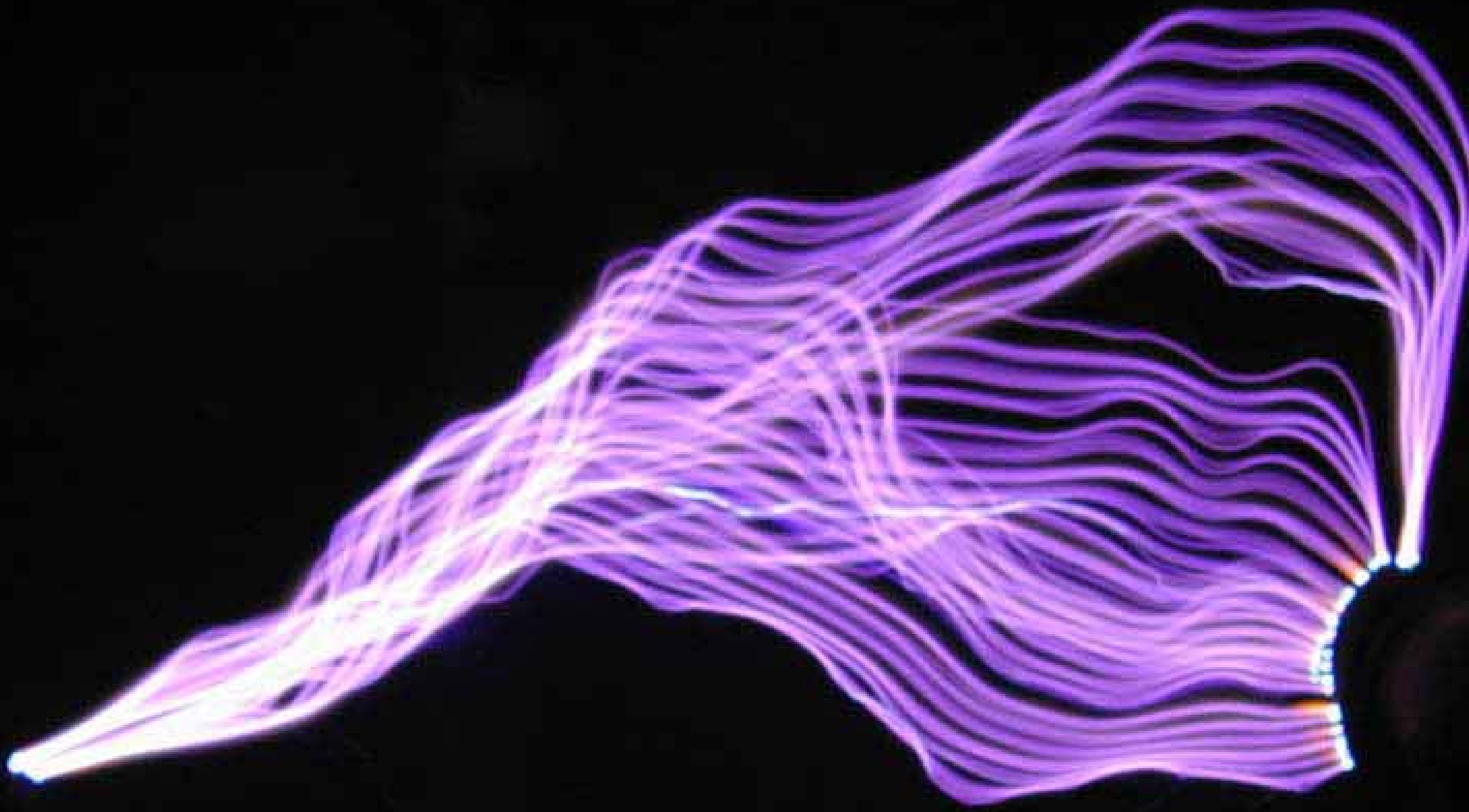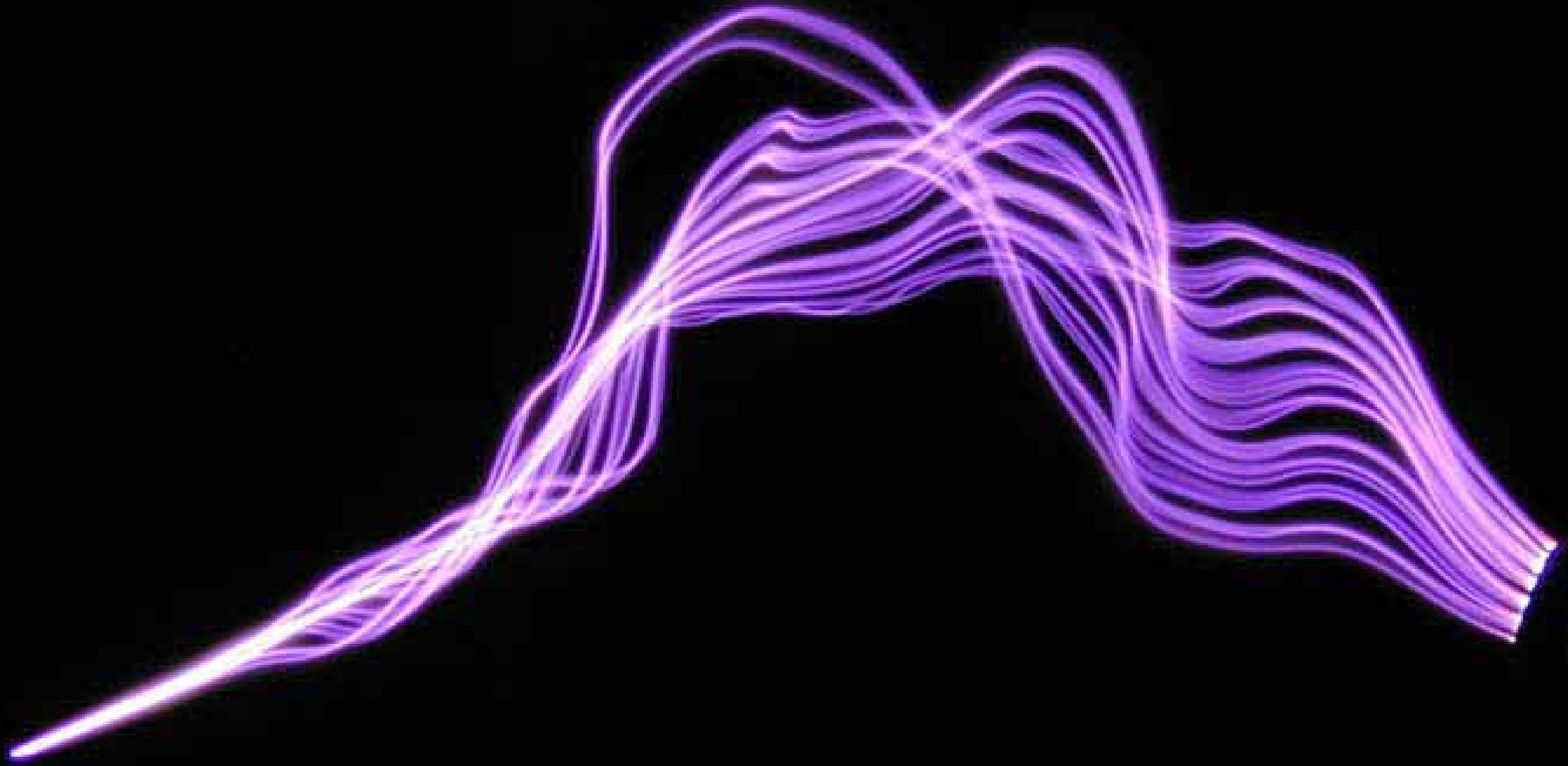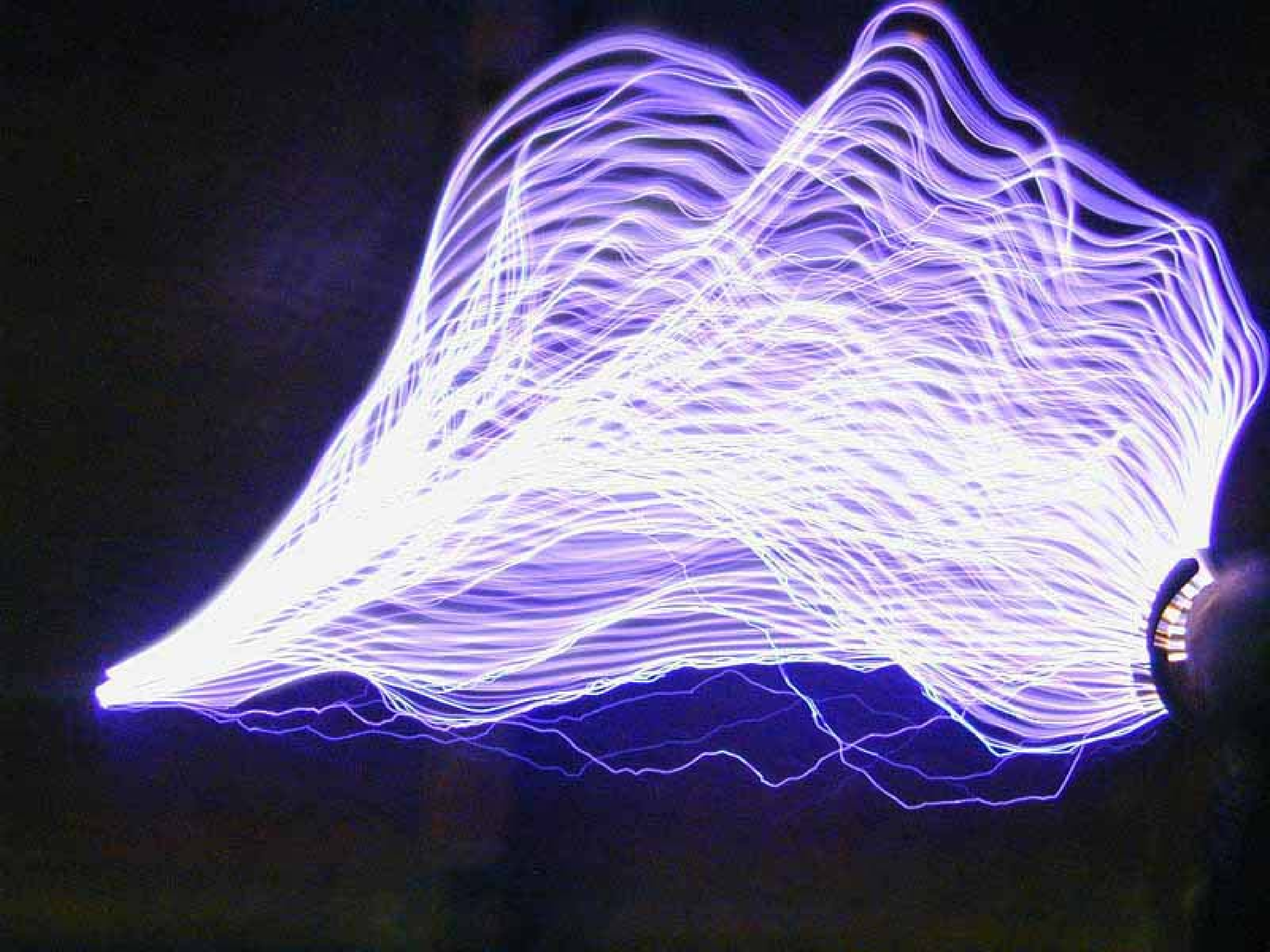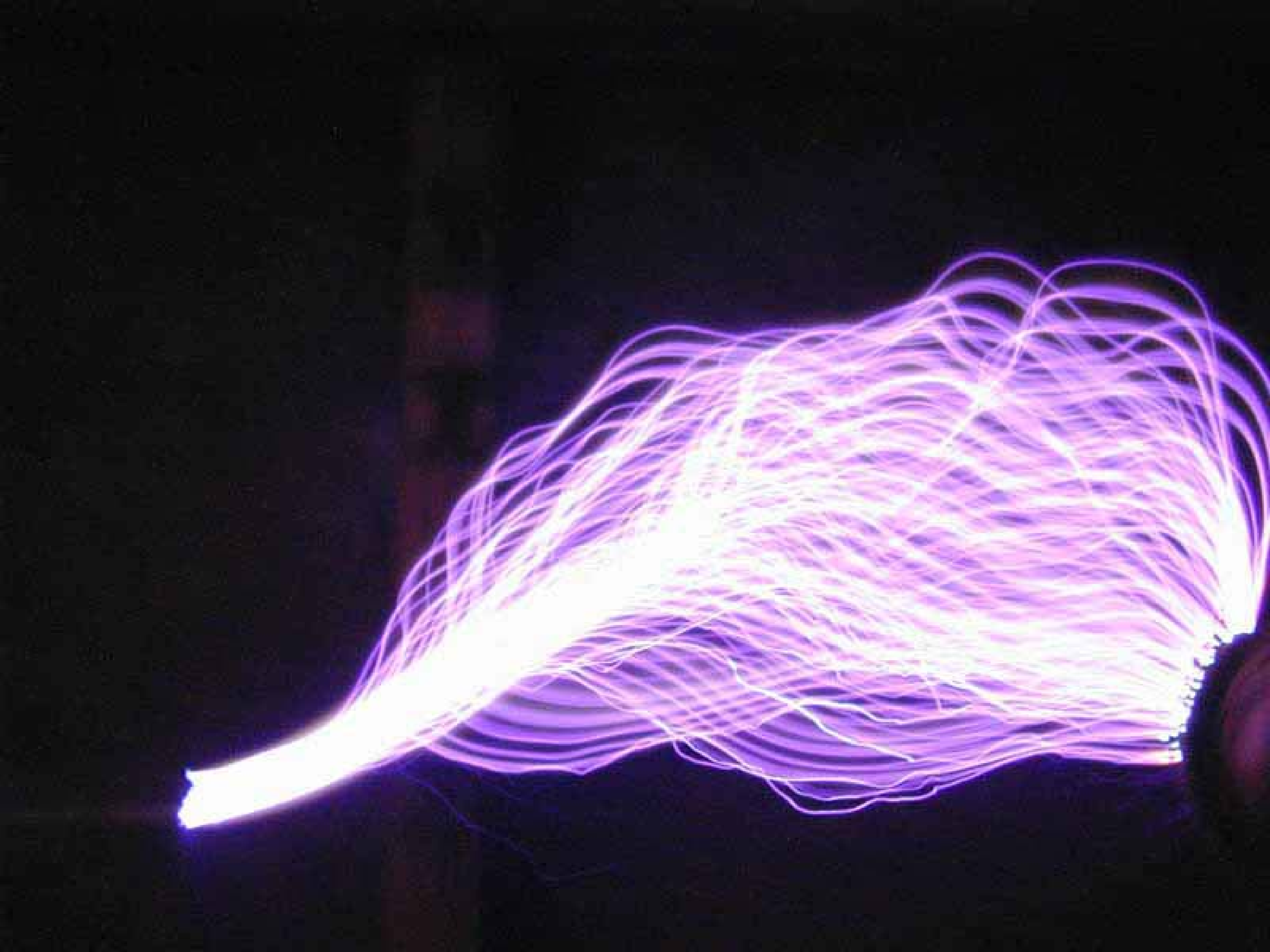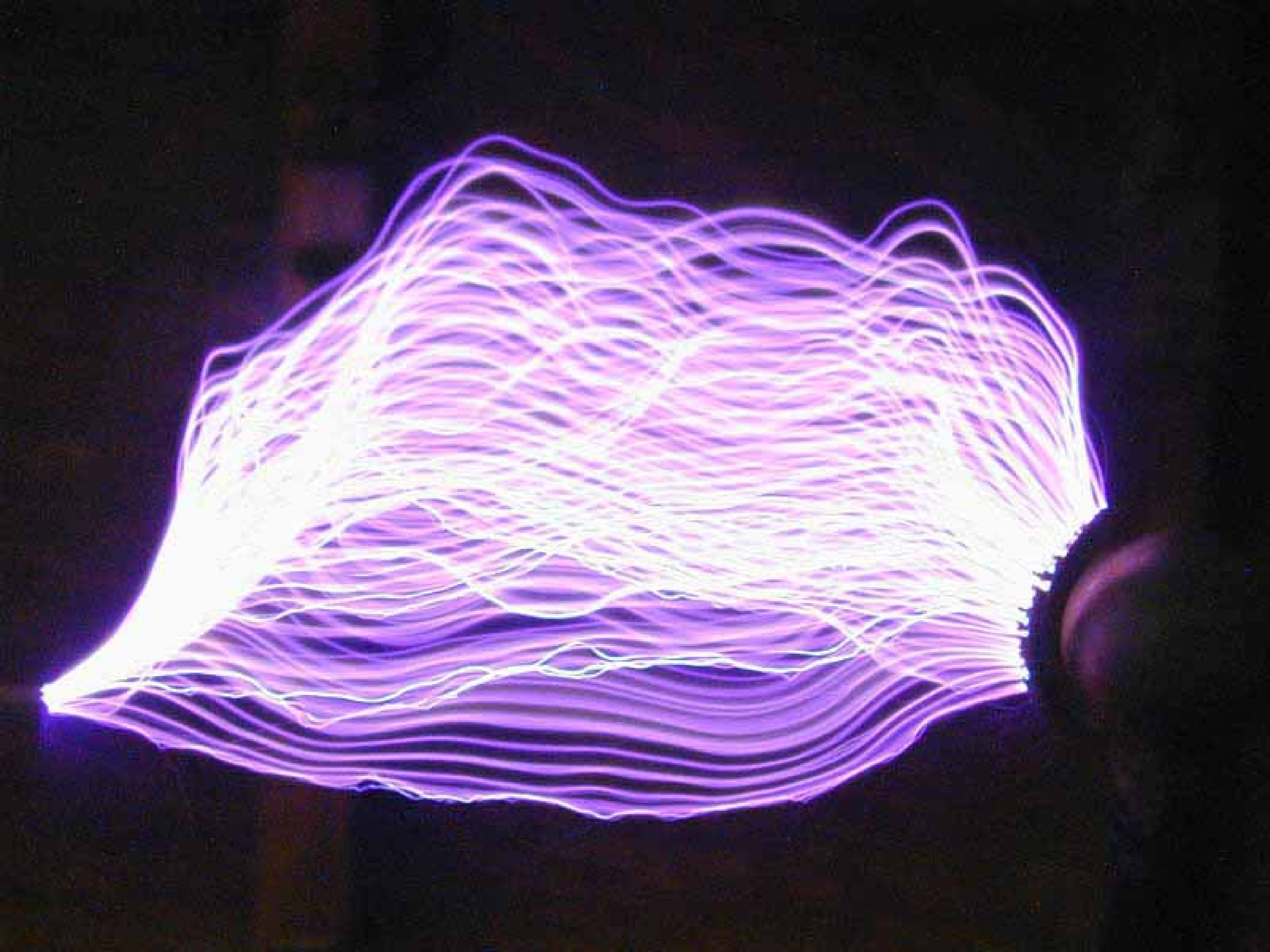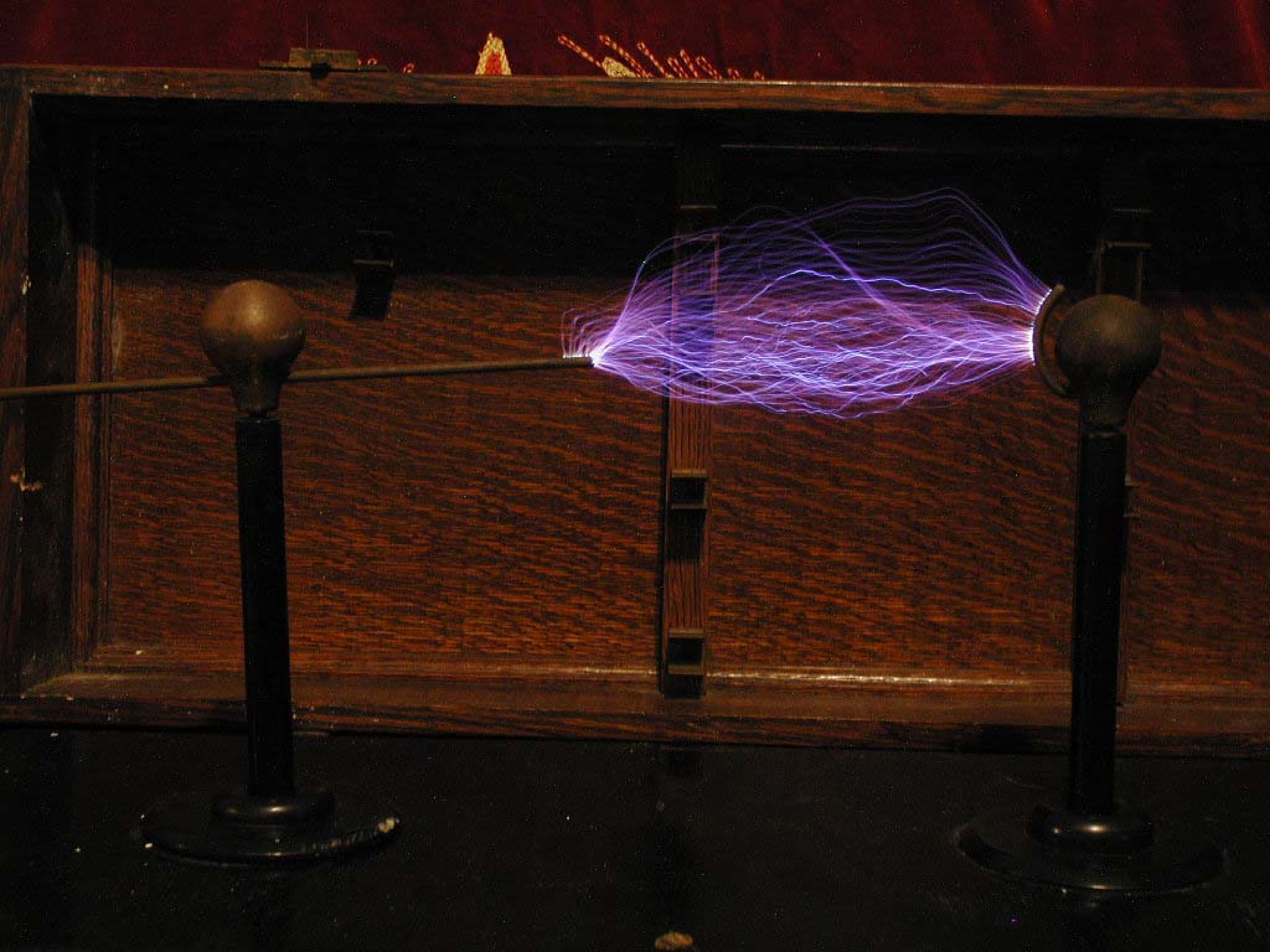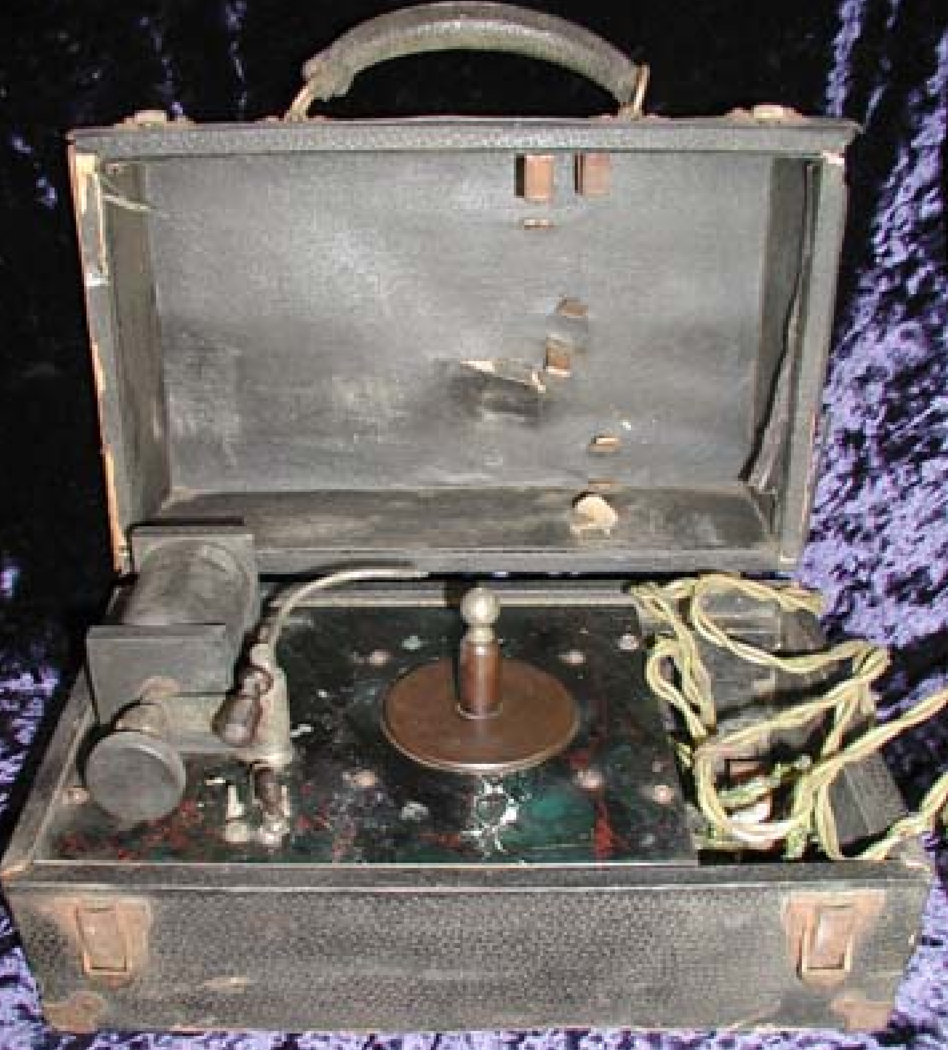ВПРОФ 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